



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

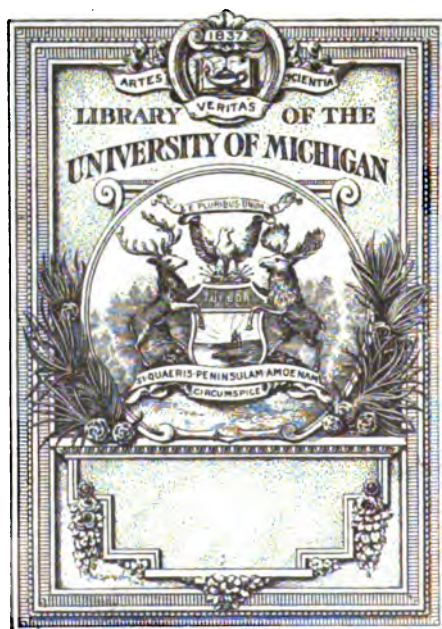
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

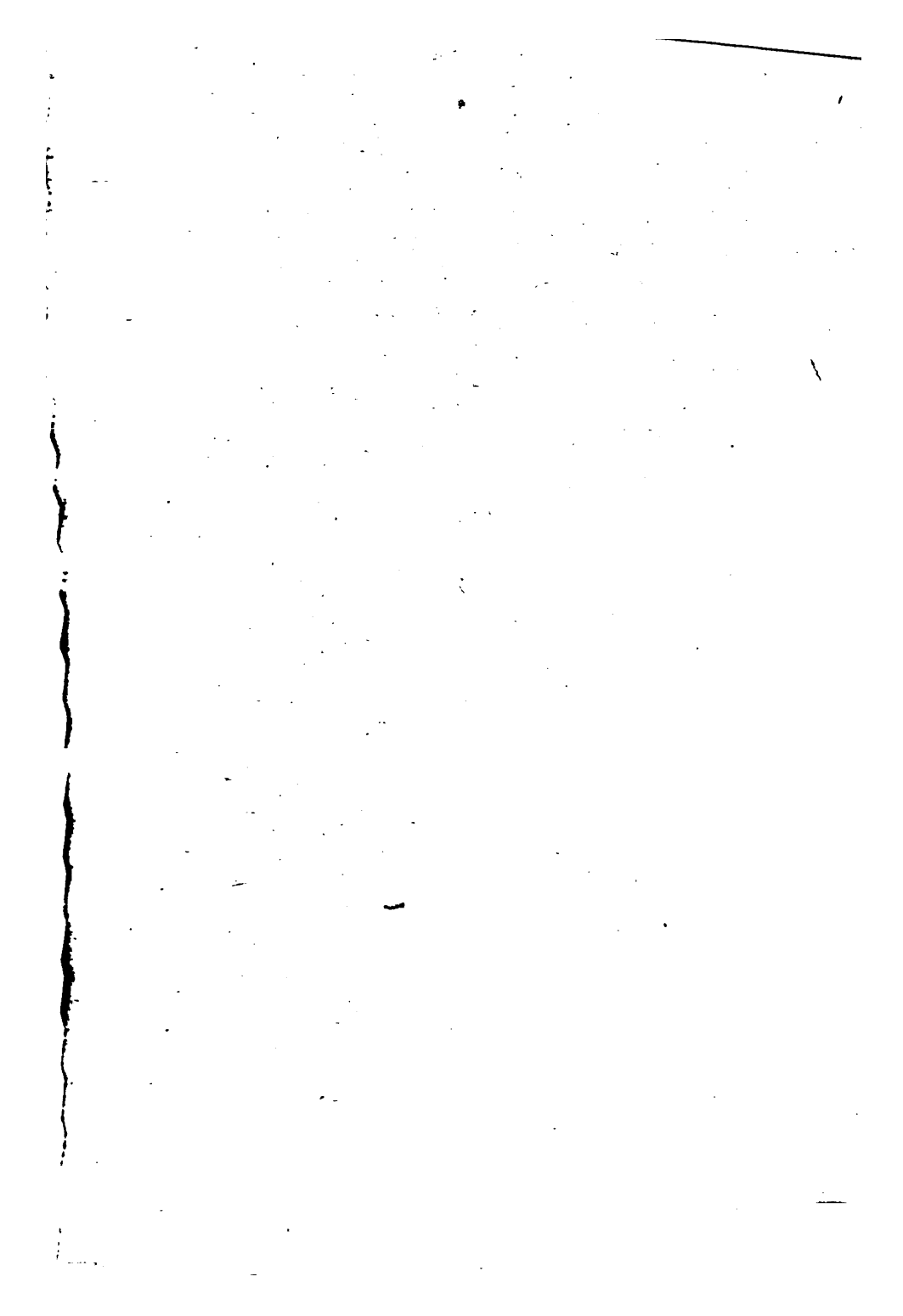
About Google Book Search

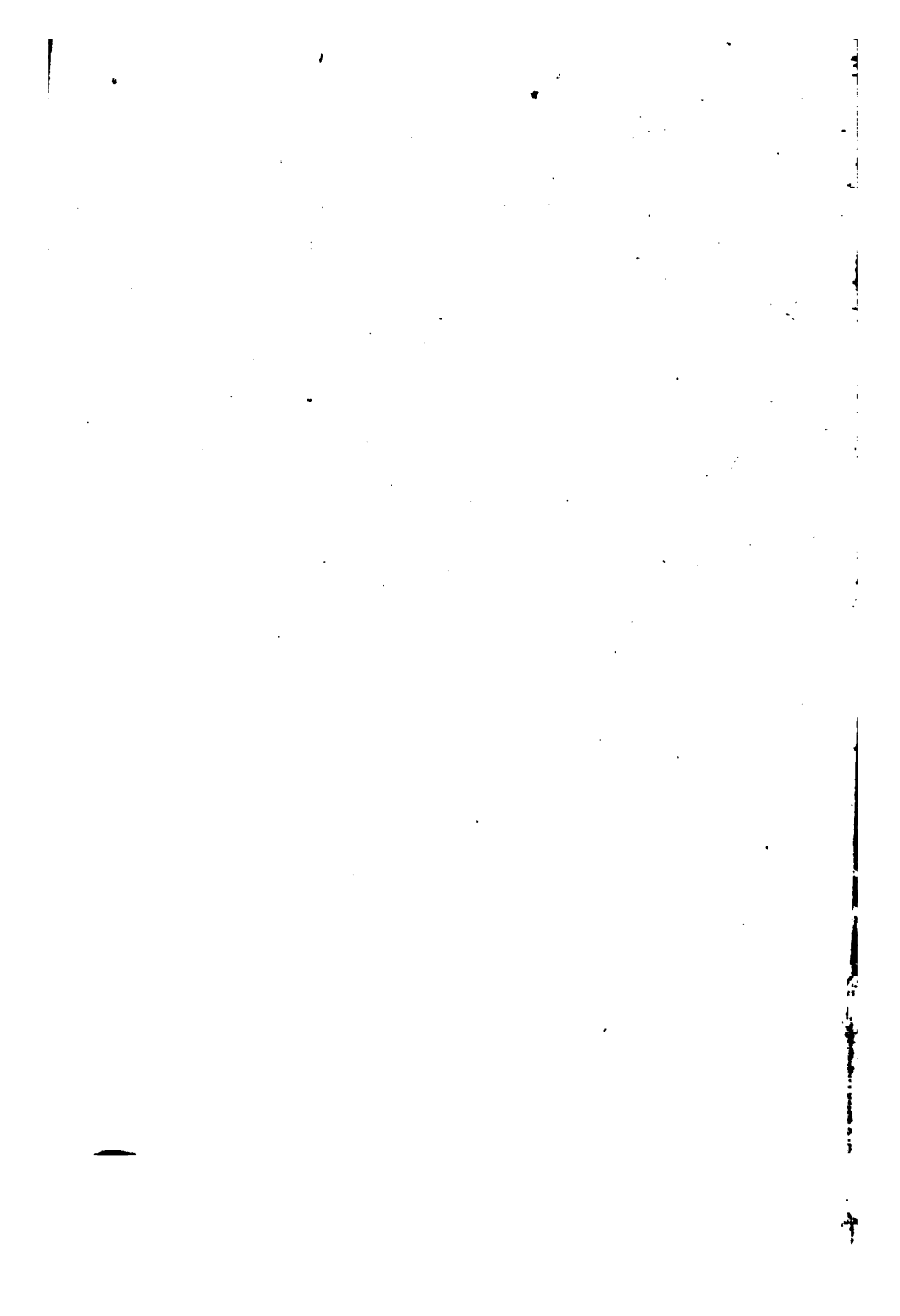
Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>



L1
59
W3







578.73

W5

UNIV. OF MICH.

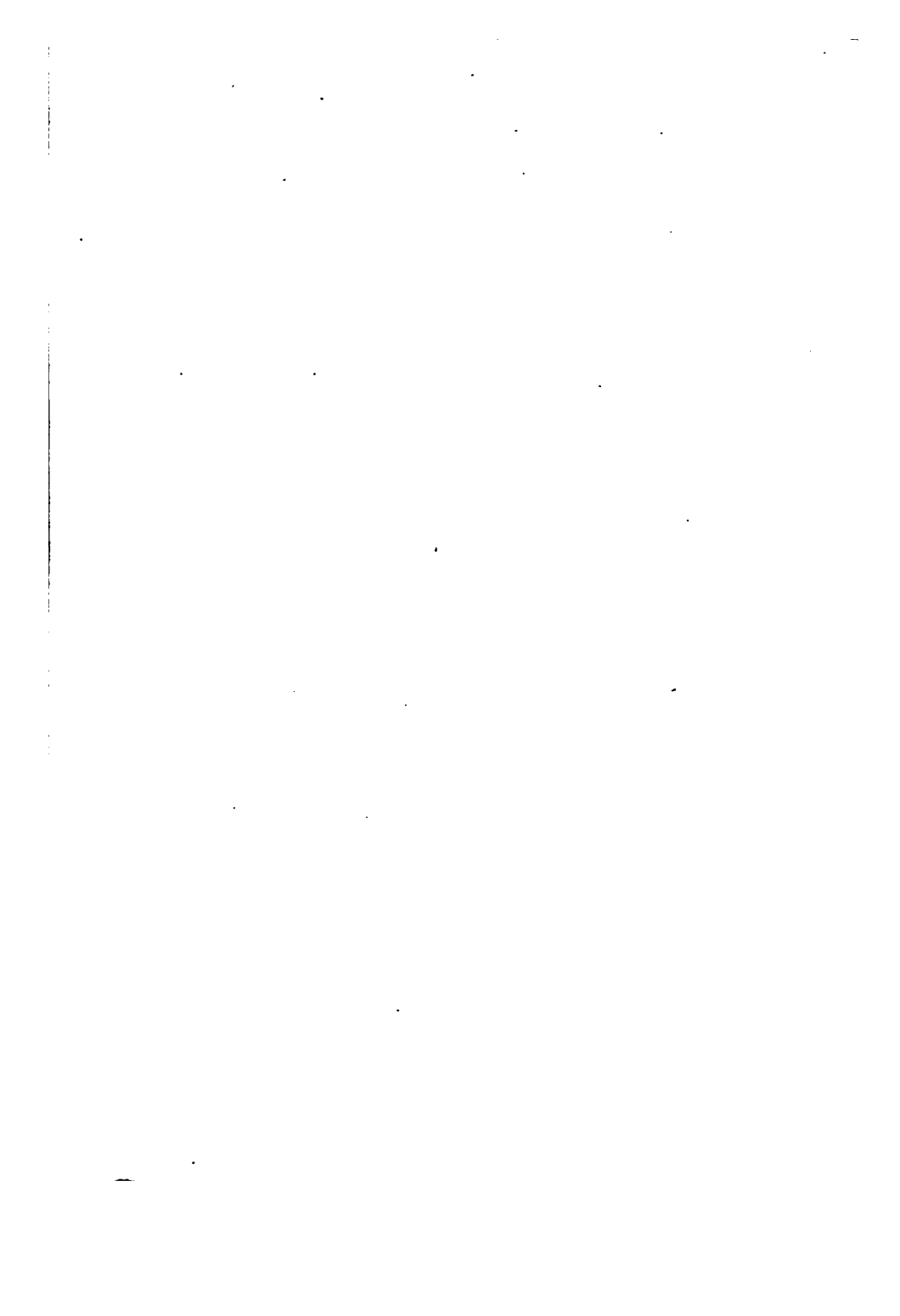
SEP 17 1909

ANNUAL CATALOGUE
OF
WESLEYAN UNIVERSITY



1905-1906

MIDDLETOWN, CONN.:
PELTON & KING, PRINTERS AND BOOKBINDERS.
1905.



CATALOGUE

OF

WESLEYAN UNIVERSITY

1905-1906



MIDDLETOWN, CONN
MD. CCCC.V.



BOARD OF TRUSTEES.

HENRY CRUISE MURPHY INGRAHAM, LL. D., PRES.,
16 Court St., Brooklyn, N. Y.

REV. DAVID GEORGE DOWNEY, D. D., SECRETARY,
530 Bedford Ave., Brooklyn, N. Y.

REV. CHARLES HENRY BUCK, D. D., TREASURER,
409 N. Broadway, Yonkers, N. Y.

PRES. BRADFORD PAUL RAYMOND, D. D., LL. D.,
(Member ex officio), Middletown.

TERM EXPIRES IN 1906.

HON. DAVID WARD NORTHROP, M. A.,
Middletown.

CEPHAS BRAINERD ROGERS,
Meriden.

JOHN EMORY ANDRUS, B. A.,
299 Broadway, New York, N. Y.

HENRY HOBART BENEDICT,
216 Bishop St., New Haven.

CHARLES GIBSON,
Albany, N. Y.

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
16 Court St., Brooklyn, N. Y.

§ REV. PRES. HERBERT WELCH, D. D.,
Delaware, O.

† REV. JAMES MARCUS KING, D. D., LL. D.,
1026 Arch St., Philadelphia, Pa.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
Penn Yan, N. Y.

WESLEYAN UNIVERSITY.

TERM EXPIRES IN 1907.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

HENRY CRUISE MURPHY INGRAHAM, LL. D.,
16 Court St., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

SAMUEL WOOD BOWNE,
Pearl and Rose Sts., New York, N. Y.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, M. A.,
Newport, R. I.

§ REV. DAVID GEORGE DOWNEY, D. D.,
530 Bedford Ave., Brooklyn, N. Y.

† REV. JOHN WESLEY LINDSAY, D. D.,
West Newton, Mass.

† WILLIAM PERRY BILLINGS,
Kingston, Pa.

† REV. JOHN YOUNG DOBBINS, D. D.,
1119 W. Lanvale St., Baltimore, Md.

TERM EXPIRES IN 1908.

HON. WILLIAM CONNELL,
Scranton, Pa.

GEORGE SLOCUM BENNETT, M. A.,
Wilkes-Barre, Pa.

CHARLES LEE ROCKWELL,
Meriden.

REV. AZEL WASHBURN HAZEN, D. D.,
Middletown.

WILLIAM EDWIN SESSIONS,
Bristol.

JOHN THOMAS PORTER,
Scranton, Pa.

- § HON. MARTIN AUGUSTINE KNAPP, LL. D.,
Washington, D. C.
- § ABRAM WINEGARDNER HARRIS, SC. D., LL. D.,
Port Deposit, Md.
- † REV. JOEL OSMON SHERBURN, M. A.,
St. Johnsbury, Vt.
- † REV. ALBERT PEARNE PALMER, M. A.,
Lowville, N. Y.

TERM EXPIRES IN 1909.

- REV. CHARLES HENRY BUCK, D. D.,
409 N. Broadway, Yonkers, N. Y.
- HON. PHINEAS CHAPMAN LOUNSBURY, LL. D.,
257 Broadway, New York, N. Y.
- GEORGE SILAS COLEMAN, M. A.,
2 Tryon Row, New York, N. Y.
- ORRIS KING ELDREDGE,
61 Worth St., New York, N. Y.
- CYRUS DANIEL JONES,
Scranton, Pa.
- § WEBSTER ROGERS WALKLEY, M. A.,
27 Murray St., New York, N. Y.
- § FREDERIC WILCOX CLARKE, B. S.,
104 South St., Boston, Mass.
- † REV. DANIEL CLARK KNOWLES, D. D.,
Tilton, N. H.
- † REV. FRANK MASON NORTH, D. D.,
150 Fifth Ave., New York, N. Y.
- † REV. ISAAC HARRISON WHITTIER WHARFF, D. D.,
Bangor, Me.
- † REV. WILBUR FISK HOLMES, M. A.,
Kennebunk, Me.

TERM EXPIRES IN 1910.

- REV. BP. CYRUS DAVID FOSS, D. D., LL. D.,
2043 Arch St., Philadelphia, Pa.
- REV. BP. EDWARD GAYER ANDREWS, D. D., LL. D.,
47 Brevoort Place, Brooklyn, N. Y.

TEENIES ELECT

...

11-20-55

11. . . .

“

1890

1. 7

1901 . 1 000 . 000 - 1 : A

2001/01 15 N. Y. 174, N. Y.

111 5.1, 112 5.2, 113 5.3, 114 5.4, 115 5.5, 116 5.6, 117 5.7, 118 5.8, 119 5.9, 120 5.10, 121 5.11, 122 5.12, 123 5.13, 124 5.14, 125 5.15, 126 5.16, 127 5.17, 128 5.18, 129 5.19, 130 5.20, 131 5.21, 132 5.22, 133 5.23, 134 5.24, 135 5.25, 136 5.26, 137 5.27, 138 5.28, 139 5.29, 140 5.30, 141 5.31, 142 5.32, 143 5.33, 144 5.34, 145 5.35, 146 5.36, 147 5.37, 148 5.38, 149 5.39, 150 5.40, 151 5.41, 152 5.42, 153 5.43, 154 5.44, 155 5.45, 156 5.46, 157 5.47, 158 5.48, 159 5.49, 160 5.50, 161 5.51, 162 5.52, 163 5.53, 164 5.54, 165 5.55, 166 5.56, 167 5.57, 168 5.58, 169 5.59, 170 5.60, 171 5.61, 172 5.62, 173 5.63, 174 5.64, 175 5.65, 176 5.66, 177 5.67, 178 5.68, 179 5.69, 180 5.70, 181 5.71, 182 5.72, 183 5.73, 184 5.74, 185 5.75, 186 5.76, 187 5.77, 188 5.78, 189 5.79, 190 5.80, 191 5.81, 192 5.82, 193 5.83, 194 5.84, 195 5.85, 196 5.86, 197 5.87, 198 5.88, 199 5.89, 200 5.90, 201 5.91, 202 5.92, 203 5.93, 204 5.94, 205 5.95, 206 5.96, 207 5.97, 208 5.98, 209 5.99, 210 5.100, 211 5.101, 212 5.102, 213 5.103, 214 5.104, 215 5.105, 216 5.106, 217 5.107, 218 5.108, 219 5.109, 220 5.110, 221 5.111, 222 5.112, 223 5.113, 224 5.114, 225 5.115, 226 5.116, 227 5.117, 228 5.118, 229 5.119, 230 5.120, 231 5.121, 232 5.122, 233 5.123, 234 5.124, 235 5.125, 236 5.126, 237 5.127, 238 5.128, 239 5.129, 240 5.130, 241 5.131, 242 5.132, 243 5.133, 244 5.134, 245 5.135, 246 5.136, 247 5.137, 248 5.138, 249 5.139, 250 5.140, 251 5.141, 252 5.142, 253 5.143, 254 5.144, 255 5.145, 256 5.146, 257 5.147, 258 5.148, 259 5.149, 260 5.150, 261 5.151, 262 5.152, 263 5.153, 264 5.154, 265 5.155, 266 5.156, 267 5.157, 268 5.158, 269 5.159, 270 5.160, 271 5.161, 272 5.162, 273 5.163, 274 5.164, 275 5.165, 276 5.166, 277 5.167, 278 5.168, 279 5.169, 280 5.170, 281 5.171, 282 5.172, 283 5.173, 284 5.174, 285 5.175, 286 5.176, 287 5.177, 288 5.178, 289 5.179, 290 5.180, 291 5.181, 292 5.182, 293 5.183, 294 5.184, 295 5.185, 296 5.186, 297 5.187, 298 5.188, 299 5.189, 300 5.190, 301 5.191, 302 5.192, 303 5.193, 304 5.194, 305 5.195, 306 5.196, 307 5.197, 308 5.198, 309 5.199, 310 5.200, 311 5.201, 312 5.202, 313 5.203, 314 5.204, 315 5.205, 316 5.206, 317 5.207, 318 5.208, 319 5.209, 320 5.210, 321 5.211, 322 5.212, 323 5.213, 324 5.214, 325 5.215, 326 5.216, 327 5.217, 328 5.218, 329 5.219, 330 5.220, 331 5.221, 332 5.222, 333 5.223, 334 5.224, 335 5.225, 336 5.226, 337 5.227, 338 5.228, 339 5.229, 340 5.230, 341 5.231, 342 5.232, 343 5.233, 344 5.234, 345 5.235, 346 5.236, 347 5.237, 348 5.238, 349 5.239, 350 5.240, 351 5.241, 352 5.242, 353 5.243, 354 5.244, 355 5.245, 356 5.246, 357 5.247, 358 5.248, 359 5.249, 360 5.250, 361 5.251, 362 5.252, 363 5.253, 364 5.254, 365 5.255, 366 5.256, 367 5.257, 368 5.258, 369 5.259, 370 5.260, 371 5.261, 372 5.262, 373 5.263, 374 5.264, 375 5.265, 376 5.266, 377 5.267, 378 5.268, 379 5.269, 380 5.270, 381 5.271, 382 5.272, 383 5.273, 384 5.274, 385 5.275, 386 5.276, 387 5.277, 388 5.278, 389 5.279, 390 5.280, 391 5.281, 392 5.282, 393 5.283, 394 5.284, 395 5.285, 396 5.286, 397 5.287, 398 5.288, 399 5.289, 400 5.290, 401 5.291, 402 5.292, 403 5.293, 404 5.294, 405 5.295, 406 5.296, 407 5.297, 408 5.298, 409 5.299, 410 5.300, 411 5.301, 412 5.302, 413 5.303, 414 5.304, 415 5.305, 416 5.306, 417 5.307, 418 5.308, 419 5.309, 420 5.310, 421 5.311, 422 5.312, 423 5.313, 424 5.314, 425 5.315, 426 5.316, 427 5.317, 428 5.318, 429 5.319, 430 5.320, 431 5.321, 432 5.322, 433 5.323, 434 5.324, 435 5.325, 436 5.326, 437 5.327, 438 5.328, 439 5.329, 440 5.330, 441 5.331, 442 5.332, 443 5.333, 444 5.334, 445 5.335, 446 5.336, 447 5.337, 448 5.338, 449 5.339, 450 5.340, 451 5.341, 452 5.342, 453 5.343, 454 5.344, 455 5.345, 456 5.346, 457 5.347, 458 5.348, 459 5.349, 460 5.350, 461 5.351, 462 5.352, 463 5.353, 464 5.354, 465 5.355, 466 5.356, 467 5.357, 468 5.358, 469 5.359, 470 5.360, 471 5.361, 472 5.362, 473 5.363, 474 5.364, 475 5.365, 476 5.366, 477 5.367, 478 5.368, 479 5.369, 480 5.370, 481 5.371, 482 5.372, 483 5.373, 484 5.374, 485 5.375, 486 5.376, 487 5.377, 488 5.378, 489 5.379, 490 5.380, 491 5.381, 492 5.382,

$$16 \text{ B } 4 \text{ f } \quad , \quad N = 11 : n,$$

0 11 8 1 1 1 0,11, 0)

$$I = m_1 N Y$$

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
16 Court St., Brooklyn, N. Y.

§ GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
Penn Yan, N. Y.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the Monday preceding the annual Commencement.

COMMITTEES OF THE BOARD OF TRUSTEES.

GENERAL EXECUTIVE COMMITTEE

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.

HON. DAVID WARD NORTHPROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

REV. AZEL WASHBURN HAZEN, D. D.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

JOHN EMORY ANDRUS, B. A.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

REV. DAVID GEORGE DOWNEY, D. D.

STEPHEN HENRY OLIN, LL. D.

REV. FRANK MASON NORTH, D. D.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

WESLEYAN UNIVERSITY.

REV. JOSEPH ELIJAH KING, PH. D., D. D.,

Fort Edward, N. Y.

REV. WILLIAM VALENTINE KELLEY, D. D.,

150 Fifth Ave., New York, N. Y.

HON. WATSON CARVOSSO SQUIRE, B. A.,

Seattle, Wash.

ALBERT RANDOLPH CRITTENDEN,

Middletown.

JOHN GRIBBELL,

1513 Race St., Philadelphia, Pa.

JAMES GARDNER SHEPHERD,

Scranton, Pa.

§ STEPHEN HENRY OLIN, LL. D.,

32 Nassau St., New York, N. Y.

§ CHARLES SCOTT, M. A.,

Overbrook, Pa.

† REV. ANDREW JACKSON COULTAS, JR., M. A.,

92 Comstock Ave., Providence, R. I.

† REV. WILLIAM JOHN CHAPMAN, M. A.,

Crown Point, N. Y.

TRUSTEES ELECT.

TERM BEGINS IN 1906.

HON. DAVID WARD NORTHROP, M. A.,

Middletown.

CEPHAS BRAINERD ROGERS,

Meriden.

JOHN EMORY ANDRUS, B. A.,

299 Broadway, New York, N. Y.

HENRY HOBART BENEDICT,

216 Bishop St., New Haven.

CHARLES GIBSON,

Albany, N. Y.

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
16 Court St., Brooklyn, N. Y.

§ GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
Penn Yan, N. Y.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the Monday preceding the annual Commencement.

COMMITTEES OF THE BOARD OF TRUSTEES.

GENERAL EXECUTIVE COMMITTEE

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

REV. AZEL WASHBURN HAZEN, D. D.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

JOHN EMORY ANDRUS, B. A.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

REV. DAVID GEORGE DOWNEY, D. D.

STEPHEN HENRY OLIN, LL. D.

REV. FRANK MASON NORTH, D. D.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

WESLEYAN UNIVERSITY.

LOCAL EXECUTIVE COMMITTEE.

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

REV. AZEL WASHBURN HAZEN, D. D.

CÆPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

FINANCE COMMITTEE.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

ORRIS KING ELDREDGE.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

REV. CHARLES HENRY BUCK, D. D.

CHARLES LEE ROCKWELL.

COMMITTEE ON THE BOARD OF INSTRUCTION.

REV. BP. CYRUS DAVID FOSS, D. D., LL. D.

STEPHEN HENRY OLIN, LL. D.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.

JOHN EMORY ANDRUS, B. A.

REV. FRANK MASON NORTH, D. D.

REV. WILLIAM VALENTINE KELLEY, D. D.

VISITING COMMITTEE.

REV. DAVID GEORGE DOWNEY, D. D.

GEORGE SILAS COLEMAN, M. A.

REV. ANDREW JACKSON COULTAS, Jr., M. A.

FACULTY.

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.,
PRESIDENT,

AND A. V. STOUT PROFESSOR OF MORAL PHILOSOPHY.
(23 N. C.) 325 High St.

JOHN MONROE VAN VLECK, LL. D.,
FISK PROFESSOR OF MATHEMATICS AND ASTRONOMY, *Emeritus.*
(22 O. H.) 168 Church St.

REV. WILLIAM NORTH RICE, PH. D., LL. D.,
G. I. SENEY PROFESSOR OF GEOLOGY.
(11 J. H.) 31 College Place.

WILBUR OLIN ATWATER, PH. D.,
BEACH PROFESSOR OF CHEMISTRY.
(2 J. H.) 226 Washington St.

CALEB THOMAS WINCHESTER, L. H. D.,
OLIN PROFESSOR OF ENGLISH LITERATURE.
(21 F. H.) 342 High St.

MORRIS BARKER CRAWFORD, M. A.,
FOSS PROFESSOR OF PHYSICS.
(38 S. L.) 197 High St.

HERBERT WILLIAM CONN, PH. D.,
DANIEL AYRES PROFESSOR OF BIOLOGY.
(5 J. H.) 167 High St.

ANDREW CAMPBELL ARMSTRONG, PH. D.,
WILLIAM GRIFFIN PROFESSOR OF PHILOSOPHY.
(26 F. H.) 203 High St.

WESLEYAN UNIVERSITY.

WILLIAM EDWARD MEAD, PH. D.,
WAITE PROFESSOR OF THE ENGLISH LANGUAGE.
(27 F. H.) 165 Broad St.

KARL POMEROY HARRINGTON, M. A.,
ROBERT RICH PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.
(30 F. H.) 151 High St.

WILLIAM JOHN JAMES, M. A.,
LIBRARIAN.
(Library) 162 Church St.

FRANK WALTER NICOLSON, M. A.,
SECRETARY OF THE FACULTY, AND ASSOCIATE PROFESSOR OF LATIN.
(22 N. C.) 311 High St.

WALTER PARKE BRADLEY, PH. D.,
PROFESSOR OF CHEMISTRY.
(Chem. Lab.) 256 College St.

† EDWARD BURR VAN VLECK, PH. D.,
PROFESSOR OF MATHEMATICS.

OSCAR KUHNS, L. H. D.,
HOLLIS PROFESSOR OF ROMANCE LANGUAGES.
(38 F. H.) 170 High St.

* * * * *
CHARLOTTE AUGUSTA AYRES PROFESSOR OF PHYSICS.

WILLARD CLARK FISHER, B. A.,
PROFESSOR OF ECONOMICS AND SOCIAL SCIENCE.
(35 F. H.) 14 O. H.

WILLIAM ARTHUR HEIDEL, PH. D.,
JANE A. SENEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.
(35 F. H.) 242 High St.

† Absent for the year.

WESLEYAN UNIVERSITY.

11

FRANCIS GANO BENEDICT, PH. D.,

PROFESSOR OF CHEMISTRY.

(Chem. Lab.) 24 Pearl St.

RAYMOND DODGE, PH. D.,

PROFESSOR OF PSYCHOLOGY.

(22 F. H.) 107 Lawn Ave.

WALTER GUYTON CADY, PH. D.,

ASSOCIATE PROFESSOR OF PHYSICS.

(14 S. L.) 100 High St.

ROBERT HERNDON FIFE, JR., PH. D.,

MARCUS L. TAFT PROFESSOR OF THE GERMAN LANGUAGE AND LITERATURE.

(34 F. H.) 240 College St.

RALPH CLEWELL SUPER, M. A.,

INSTRUCTOR IN MODERN LANGUAGES.

20 O. H.

ROBERT ALLYN BUDINGTON, M. A.,

INSTRUCTOR IN BIOLOGY.

1 S. C.

ROSWELL POWELL STEPHENS, PH. D.,

INSTRUCTOR IN MATHEMATICS.

16 O. H.

GEORGE MATTHEW DUTCHER, PH. D.,

HEDDING PROFESSOR OF HISTORY.

(16 F. H.) 19 O. H.

JOSEPH WILLIAM HEWITT, PH. D.,

ASSOCIATE PROFESSOR OF LATIN AND GREEK.

(26 N. C.) 308 William St.

LEROY ALBERT HOWLAND, M. A.,

INSTRUCTOR IN MATHEMATICS.

17 O. H.

WESLEYAN UNIVERSITY.

SAMUEL WARD LOPER, M. A.,

CURATOR OF THE MUSEUM.

(13 J. H.) 287 College St.

WILLIAM MERRILL ESTEN, M. S.,

ASSISTANT IN BIOLOGY.

109 Lawn Ave.

HOWARD ROLAND REITER, B. A.,

DIRECTOR OF THE GYMNASIUM.

(Gymnasium) Home Ave.

CLARENCE FREDERIC HALE, B. S.,

ASSISTANT IN CHEMISTRY.

52 Church St.

SAMUEL FOSS HOLMES, PH. B.,

ASSISTANT IN ENGLISH.

60 N. C.

ERWIN STANLEY FULTON, B. S.,

ASSISTANT IN CHEMISTRY.

9 S. C.

MARTIN STUART HALL, B. A.,

ASSISTANT IN PHYSICS.

13 O. H.

ADRIENNE VAN WINKLE,

ASSISTANT LIBRARIAN.

158 S. Main St.

JULIA BRAZOS, PH. B.,

DEAN OF WOMEN.

274 High Street.

COMMITTEES OF THE FACULTY.

COURSE OF STUDY.

PRESIDENT RAYMOND, PROFESSORS J. M. VAN VLECK, WINCHESTER,
CONN, ARMSTRONG, HARRINGTON, KUHS.

GRADUATE STUDY.

PROFESSORS RICE, CRAWFORD, ARMSTRONG.

ADMINISTRATION.

PRESIDENT RAYMOND, PROFESSOR RICE, MR. JAMES,
PROFESSORS NICOLSON, BRADLEY.

CONFERENCE WITH STUDENTS.

PRESIDENT RAYMOND, PROFESSORS CRAWFORD, CONN,
NICOLSON, BRADLEY, DODGE.

CATALOGUE.

MR. JAMES (Editor); PROFESSORS NICOLSON, CADY.

BULLETIN.

PROFESSORS WINCHESTER, MEAD, HARRINGTON, DUTCHER.

LECTURES.

PRESIDENT RAYMOND, PROFESSORS KUHS, CADY, DUTCHER.

ATHLETIC AND MUSICAL ORGANIZATIONS.

PROFESSORS NICOLSON, DODGE, FIFE.

PUBLIC LITERARY EXERCISES.

PROFESSORS WINCHESTER, MEAD, FISHER, FIFE, DUTCHER.

SPECIAL HONORS.

PROFESSORS RICE, KUHS, FISHER, CADY.

LOANS AND EVANS SCHOLARSHIP.

PRESIDENT RAYMOND, MR. JAMES, PROFESSOR NICOLSON.

STUDENTS.

GRADUATE STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Frank Chester Becker, B. A., PHILOSOPHY, FRENCH.	<i>Plymouth, Pa.</i>	<i>25 College Place.</i>
Thorne Martin Carpenter, B. S. (Mass. Agricultural College), CHEMISTRY.	<i>Middletown.</i>	<i>64 Church St.</i>
Frank Pearl Fletcher, B. A., CHEMISTRY.	<i>Plymouth, N. H.</i>	<i>242 High St.</i>
Erwin Stanley Fulton, B. S. (Mass. Agricultural College), CHEMISTRY.	<i>Lynn, Mass.</i>	<i>9 S. C.</i>
Asa Russell Gifford, B. A., PHILOSOPHY.	<i>Middletown.</i>	<i>Y. M. C. A.</i>
Clarence Frederic Hale, B. S., CHEMISTRY.	<i>Middletown.</i>	<i>52 Church St.</i>
Martin Stuart Hall, B. A. (Brown University), MATHEMATICS, PHYSICS.	<i>Alpine, N. Y.</i>	<i>13 O. H.</i>
Henry Alfred Holmes, B. A., LATIN, GREEK.	<i>Middletown.</i>	<i>Δ. K. E. House.</i>
Samuel Foss Holmes, Ph. B., ENGLISH LITERATURE.	<i>Middletown.</i>	<i>60 N. C.</i>
Carlos Eugene Jones, B. A. (Trinity College), PHILOSOPHY, ECONOMICS.	<i>Independence, Iowa. Berkeley Divinity School.</i>	
Howard Lawton Knight, B. S. (Mass. Agricultural College), CHEMISTRY, ECONOMICS.	<i>Gardner, Mass.</i>	<i>64 Church St.</i>
William Henry Leslie, B. A., CHEMISTRY.	<i>Middletown.</i>	<i>72 Pine St.</i>

NAMES.	RESIDENCES.	ROOMS.
Victor Caryl Myers, B. A., BIOLOGY.	<i>Buskirk, N. Y.</i>	<i>State Hospital.</i>
Laurence Houghton Parker, B. A. (Tufts College), HISTORY, ECONOMICS.	<i>Newtonville, Mass.</i>	<i>South Farms.</i>
Harrie Albert Pratt, B. A., CHEMISTRY.	<i>Middletown.</i>	<i>66 Wyllys St.</i>
Joseph Westra Barnes Stewart, B. A. (Kings College, N. S.), PHILOSOPHY.	<i>St. John, N. B. Berkeley Divinity School.</i>	
Henderson Edmund Van Surdam, B. S., CHEMISTRY, BIOLOGY, ECONOMICS.	<i>Hoosick Falls, N. Y.</i>	<i>A. K. E. House.</i>

SENIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
Arthur Ray Anderson,	<i>Mt. Vernon, N. Y.</i>	Y. T. House.
§ Harold De Forest Arnold,	<i>Central Village.</i>	Ivy Hall.
§ Charles Woodard Atwater,	<i>Middletown. 226 Washington St.</i>	
§ Wilbur Stone Beeman,	<i>Bondsville, Mass.</i>	Ivy Hall.
William Ebenezer Bell,	<i>Hamilton, Bermuda.</i>	13 Cross St.
Earl Maltby Benson,	<i>West Winfield, N. Y.</i>	B. Θ. Π. House.
§ George Imlay Bodine, Jr.,	<i>Philadelphia, Pa.</i>	Y. T. House.
† Raymond Wolcott Bristol,	<i>Washington, D. C.</i>	A. Δ. Φ. House.
Samuel Curtis Campaigne,	<i>Troy, N. Y.</i>	246 High St.
Theron Alvord Clements,	<i>Cazenovia, N. Y.</i>	Y. T. House.
Jesse Vancleft Cooper,	<i>Greene, N. Y.</i>	B. Θ. Π. House.
§ Arthur Kent Dearborn,	<i>Madison, Wis.</i>	246 High St.
Lester Francis Deming,	<i>Berlin.</i>	Δ. T. Δ. House.
§ Ward Percy Gammons,	<i>Methuen, Mass.</i>	B. Θ. Π. House.
§ Gordon Gray Gatch,	<i>Washington, D. C.</i>	246 High St.
† Henry Gonsalves,	<i>Acushnet, Mass.</i>	Gymnasium.
§ Robert Gray Goodman,	<i>Montclair, N. J.</i>	246 High St.
§ George Henry Hamilton,	<i>West Brattleboro, Vt.</i>	Ivy Hall.
Clarence Eugene Hancock,	<i>Syracuse, N. Y.</i>	A. Δ. Φ. House.
Warren Lucius Harlow,	<i>Worcester, Mass.</i>	B. Θ. Π. House.
George Edwin Heath,	<i>Everett, Mass.</i>	Δ. T. Δ. House.
§ Ira Prouty Ingraham,	<i>Brattleboro, Vt.</i>	Ivy Hall.
Benjamin Murley Johns,	<i>Kingston, Pa.</i>	56 N. C.
§ William Armour Johnston, Jr.,	<i>Prince Bay, N. Y.</i>	A. Δ. Φ. House.
† William Henry Long,	<i>Sayville, N. Y.</i>	Δ. T. Δ. House.
† Laurence Free McDonald,	<i>Parkton, Md.</i>	Ivy Hall.
Albert Mann, Jr.,	<i>Washington, D. C.</i>	Y. T. House.
Ellis Hoagland Martin,	<i>Port Jervis, N. Y.</i>	246 High St.
† Harold Clifton Martin,	<i>Shelburne Falls, Mass.</i>	Δ. K. E. House.
† Arthur James Monroe,	<i>Brattleboro, Vt.</i>	Δ. T. Δ. House.
William Gordon Murphy, Jr.,	<i>Brooklyn, N. Y.</i>	Δ. K. E. House.
Charles Weatherwax Nethaway,	<i>Middletown.</i>	Y. M. C. A.

NAMES.	RESIDENCES.	ROOMS.
† Oliver Taylor Noon,	<i>Everett, Mass.</i>	<i>Δ. T. Δ. House.</i>
§ Arthur Elliott Paterson,	<i>Middletown.</i>	<i>158 Broad St.</i>
Newton Manley Perrins,	<i>Seymour.</i>	<i>Ivy Hall.</i>
William Northcote Phillips,	<i>Frederick, Md.</i>	<i>¥. Y. House.</i>
† Charles Frank Phipps,	<i>Millon, Mass.</i>	<i>246 High St.</i>
Henry Boardman Powell, Jr.,	<i>Clearfield, Pa.</i>	<i>A. Δ. Φ. House.</i>
Frank Egleston Robbins,	<i>Westfield, Mass.</i>	<i>B. Θ. Π. House.</i>
† Joshua Lester Robins,	<i>Sand Lake, N. Y.</i>	<i>Δ. T. Δ. House.</i>
Guy Wright Rogers,	<i>Forksville, Pa.</i>	<i>¥. Y. House.</i>
§ Charles Robert Sawyer,	<i>Glens Falls, N. Y.</i>	<i>Δ. T. Δ. House.</i>
§ Dwight Milton Sawyer,	<i>Glens Falls, N. Y.</i>	<i>Δ. T. Δ. House.</i>
Jesse Ernest Shaw,	<i>East Longmeadow, Mass.</i>	<i>Ivy Hall.</i>
George Wiley Sherburn,	<i>Bradford, Vt.</i>	<i>¥. Y. House.</i>
† Ferdinand Richard Streber,	<i>Honduras, C. A.</i>	<i>A. Δ. Φ. House.</i>
Frank Harold Syrett,	<i>Montclair, N. J.</i>	<i>246 High St.</i>
James Martin Talbot,	<i>Newark, N. J.</i>	<i>246 High St.</i>
Charles Mabbett Travis,	<i>Brooklyn, N. Y.</i>	<i>Δ. K. E. House.</i>
George Wood Vinal,	<i>Washington, D. C.</i>	<i>Δ. K. E. House.</i>
Frederick Franklin Voorhees,	<i>Farmingdale, N. J.</i>	<i>56 N. C.</i>
† Clifford Le Grande Waite,	<i>Middletown.</i>	<i>A. Δ. Φ. House.</i>
§ Lester Reuben Weeks,	<i>Syracuse, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† Ernest Burr Wheeler,	<i>New Britain.</i>	<i>Δ. T. Δ. House.</i>
§ James Augustus Wilson,	<i>Calhoun, Ala.</i>	<i>7 Foss House.</i>
Frederick Warren Wright,	<i>Cleveland, O.</i>	<i>246 High St.</i>
§ Alice Gertrude Cooke,	<i>Middletown.</i>	<i>43 Park Place.</i>
Margaret Elizabeth Donahoe,	<i>Middletown.</i>	<i>350 Washington St.</i>
§ Helen Katherine Fletcher,	<i>Middletown.</i>	<i>94½ Court St.</i>
Faye Mildred Keene,	<i>Waldoboro, Me.</i>	<i>274 High St.</i>
§ Jessie Louise Keene,	<i>Waldoboro, Me.</i>	<i>274 High St.</i>
† Daisy Helena Lohr,	<i>Stamford.</i>	<i>274 High St.</i>
§ Katherine Frances Lucey,	<i>Middletown.</i>	<i>10 Park St.</i>
§ Edith Weekes Say,	<i>Waterbury.</i>	<i>256 William St.</i>
§ Anna Madeline Vanderbrouk,	<i>Middletown.</i>	<i>494 Main St.</i>
§ Elizabeth Matilda Veazey,	<i>Middletown.</i>	<i>72 Pine St.</i>
§ Ella Pardee Warner,	<i>Highwood.</i>	<i>274 High St.</i>
§ Florence Winter,	<i>Middlefield.</i>	<i>274 High St.</i>

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
George Linwood Adams,	<i>Dighton, Mass.</i>	Δ. T. Δ. House.
§ Lewis Allen, Jr.,	<i>Meriden.</i>	X. Ψ. Lodge.
§ Kenneth Noël Atkins,	<i>Middletown.</i>	37 South Main St.
† Wesley Converse Atkins,	<i>Cabot, Vt.</i>	Ivy Hall.
† Frisbie Jay Bates,	<i>Stamford.</i>	Ivy Hall.
Hermon Elbridge Beckwith,	<i>Los Angeles, Cal.</i>	313 William St.
† Ernest Hall Buell,	<i>Terryville.</i>	Ivy Hall.
Edgar Adamson Butters,	<i>Newton, Mass.</i>	Δ. K. E. House.
† Clarence Emory Carter,	<i>Chagrin Falls, O.</i>	Δ. T. Δ. House.
Orliff Van Heik Chase,	<i>Catskill, N. Y.</i>	Δ. T. Δ. House.
George Forrest Chichester,	<i>Patchogue, N. Y.</i>	B. Θ. Π. House.
Charles Fremont Cleaveland, Jr.,	<i>Windsor Locks.</i>	36 N. C.
§ Harold Joel Conn,	<i>Middletown.</i>	B. Θ. Π. House.
Clifford Olin Corwin,	<i>Mount Vernon, N. Y.</i>	X. Ψ. Lodge.
† George Bliss Crafts,	<i>Milton, Mass.</i>	B. Θ. Π. House.
† Frederick North Crawford,	<i>Middletown.</i>	49 N. C.
Leon Hilliard Curtice,	<i>New Rochelle, N. Y.</i>	313 William St.
Raymond Scofield Curtice,	<i>New Rochelle, N. Y.</i>	313 William St.
Pierre Wordsworth Darrow,	<i>Chester Depot, Vt.</i>	12 Foss House.
† Lawrence Alexander Davis,	<i>Mount Vernon, N. Y.</i>	Ψ. T. House.
§ John Crane Day,	<i>Morristown, N. J.</i>	38 N. C.
§ Walter Everett Doe,	<i>Exeter, N. H.</i>	246 High St.
Howard Raymond Doty,	<i>Taylor, Pa.</i>	12 N. C.
§ Gordon Clark Douglass,	<i>Auburndale, Mass.</i>	246 High St.
§ Harry Aytoun Dresser,	<i>Spencer, N. Y.</i>	48 N. C.
Russell Goodier Dunmore,	<i>Utica, N. Y.</i>	59 N. C.
Charles Franklin Edsall,	<i>Newark, N. J.</i>	40 N. C.
† Robert Ephraim Finley,	<i>Amherst Head, N. S.</i>	242 High St.
Floyd William Foster,	<i>Thomaston.</i>	25 N. C.
§ Donald Monroe Gilbert,	<i>Madisonville, O.</i>	Δ. K. E. House.
† Willard Harvey Gildersleeve,	<i>Gildersleeve.</i>	Gildersleeve.

NAMES.	RESIDENCES.	ROOMS.
Frederick Herbert Gilman,	<i>Winterport, Me.</i>	Δ. K. E. House.
Philip Lombard Given,	<i>Newark, N. J.</i>	40 N. C.
† Harold Clark Grant,	<i>Meriden.</i>	Ψ. Y. House.
Charles Edward Graves,	<i>Hatfield, Mass.</i>	<i>Ivy Hall.</i>
Edward Bivens Gray,	<i>Port Murray, N. J.</i>	38 N. C.
† Arthur Chester Hampson,	<i>E. Orange, N. J.</i>	A. Δ. Φ. House.
§ Paul Miller Held,	<i>Akron, O.</i>	Ψ. Y. House.
† Walter Raymond Hick,	<i>Portland.</i>	<i>Portland.</i>
† George Sylvester Hull,	<i>Clinton.</i>	45 N. C.
§ Ernest Alexander Inglis,	<i>Middletown.</i>	236 William St.
June Everett Kilpatrick,	<i>Carbondale, Pa.</i>	Δ. K. E. House.
§ Austin Millis Leavens,	<i>Troy, N. Y.</i>	Δ. T. Δ. House.
Walter Ricketson Mitchell,	<i>New Bedford, Mass.</i>	<i>Ivy Hall.</i>
§ Samuel Booth Moore, Jr.,	<i>Brooklyn, N. Y.</i>	Ψ. Y. House.
§ Clarence Augustus Munson,	<i>Amityville, N. Y.</i>	B. Θ. Π. House.
Raymond Silas Munson,	<i>Windham, N. Y.</i>	Ψ. Y. House.
John Ephraim Deyoe Naughtright, Jr.,	<i>Naughtright, N. J.</i>	305 Wm. St.
† Arthur Buckbee Nicholls,	<i>Bridgeport.</i>	B. Θ. Π. House.
§ Lansing David Odell,	<i>Norwalk.</i>	Ψ. Y. House.
Herbert Parsons Patterson,	<i>Portland.</i>	13 Foss House.
† Frank Oakman Patton,	<i>N. Attleboro, Mass.</i>	B. Θ. Π. House.
§ William Robinson Pillsbury,	<i>Waban, Mass.</i>	246 High St.
Arthur Gerald Hubert Power,	<i>Chicago, Ill.</i>	<i>Chaffee Hotel.</i>
§ Augustus Glover Purvis,	<i>Charleston, S. C.</i>	8 Foss House.
† Roscoe Hiram Remick,	<i>New Sharon, Me.</i>	45 N. C.
† Robert Waterman Rice,	<i>Boston, Mass.</i>	Δ. K. E. House.
§ Frank Warren Roberts,	<i>Bernardston, Mass.</i>	8 S. C.
§ Harold Gale Rogers,	<i>Meriden.</i>	Ψ. Y. House.
† Robert Clark Russell,	<i>Kents Hill, Me.</i>	Δ. T. Δ. House.
§ Leonard Osborne Ryan,	<i>Middletown.</i>	241 Court St.
Truman Bartlett Sage,	<i>East Haven.</i>	Δ. K. E. House.
† Leonard James Selden,	<i>Haddam Neck.</i>	Δ. T. Δ. House.
† Frederick Elisha Shapleigh,	<i>East Rochester, N. H.</i>	<i>Ivy Hall.</i>
§ Robert Leroy Simpson,	<i>Northport, N. Y.</i>	Δ. T. Δ. House.
Lewis Knapp Smith,	<i>Fort Salonga, N. Y.</i>	Δ. T. Δ. House.
Frederic Howard Stewart,	<i>Roslindale, Mass.</i>	246 High St.
† Frank Bradford Taylor,	<i>Cambridge, Mass.</i>	246 High St.
† Thomas Jarvis Taylor,	<i>New Haven.</i>	9 Foss House.

NAMES.	RESIDENCES.	ROOMS.
§ Gilbert Haven Thirkield,*	<i>Cincinnati, O.</i>	44 N. C.
James Sympton Thomas,	<i>Atlanta, Ga.</i>	8 Foss House.
George Benjamin Tompkins,	<i>Spencer, N. Y.</i>	Y. Y. House.
John Barwis Vanhorn,	<i>Springfield, Mass.</i>	Δ. K. E. House.
§ Arthur Millard Weeks,	<i>Patchogue, N. Y.</i>	B. Θ. Π. House.
Randolph Dykeman West,	<i>Deal, N. J.</i>	59 N. C.
† William Crawford White,	<i>Hoboken, N. J.</i>	40 N. C.
† Harold Burton Woodward,	<i>Terryville.</i>	36 N. C.
George William Wriston,	<i>Springfield, Mass.</i>	8 S. C.
§ Carl Roland Yanson,	<i>Hackensack, N. J.</i>	246 High St.
Unade Barnes,	<i>Middletown.</i>	18 Burr Ave.
Elizabeth Norton Sweet,	<i>Middletown.</i>	274 High St.



FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
† Eugene Emery Allen,	<i>Brookline, Mass.</i>	13 N. C.
Ernest Francis Amy,	<i>E. Bangor, Pa.</i>	5 Foss House.
† Winthrop Carl Bailey,	<i>Hudson, Mass.</i>	A. Δ. Φ. House.
§ Raimond Duy Baird,	<i>New York, N. Y.</i>	242 High St.
Percival Haven Baker,	<i>Rockland, Me.</i>	46 N. C.
§ William Rinehart Barbour,	<i>Bristol, Ind.</i>	34 N. C.
Stanley Gilman Barker,	<i>Worcester, Mass.</i>	19 N. C.
§ Gilbert Haven Bishop,	<i>Baltimore, Md.</i>	37 N. C.
§ Raymond Hills Brewer,	<i>E. Hartford.</i>	52 N. C.
§ Herbert William Butler,	<i>Brookline, Mass.</i>	13 N. C.
Charles Pratt Canham,	<i>Hallowell, Me.</i>	313 William St.
† Frank Everett Carruth,	<i>Cohoes, N. Y.</i>	14 N. C.
† Hedley Vicars Carter,	<i>Brooklyn, N. Y.</i>	B. Θ. Π. House.
Roy Bullard Chamberlin,	<i>Kingslon, Pa.</i>	62 N. C.
§ Clayton Tilton Cochran,	<i>Port Chester, N. Y.</i>	301 College St.
§ Herbert Lee Connelly,	<i>Upper Montclair, N. J.</i>	11 N. C.
† Paul Cook,	<i>Washington, D. C.</i>	44 N. C.
§ James Franklin Cowan,	<i>Reading, Mass.</i>	64 N. C.
John Henry Coxe,	<i>Wilkes-Barre, Pa.</i>	62 N. C.
† Logan Cunningham,	<i>Washington, D. C.</i>	42 N. C.
† Clarence Mulford Day,	<i>Morristown, N. J.</i>	27 N. C.
† Rollin Colegrove Dean,	<i>Summit, N. J.</i>	53 N. C.
† Edmund Doremus,	<i>Montclair, N. J.</i>	54 N. C.
† Joshua Milton Fiero, Jr.,	<i>New York, N. Y.</i>	B. Θ. Π. House.
John Gottfried Frey,	<i>Luzerne, Pa.</i>	61 N. C.
Frederic Squires Gorham,	<i>Highwood.</i>	X. Ψ. Lodge.
Harry Alexander Grant,	<i>W. Roxbury, Mass.</i>	39 N. C.
Arthur Rollins Graves,	<i>E. Walpole, Mass.</i>	15 Foss House.
† Horace Stanton Griffing,	<i>New York, N. Y.</i>	34 N. C.
William Morgan Grigson,	<i>S. Framingham, Mass.</i>	30 N. C.
† Harold Seymour Guy,	<i>South Farms.</i>	X. Ψ. Lodge.
† Raymond Israel Hall,	<i>Mill Hall, Pa.</i>	35 N. C.

NAMES.	RESIDENCES.	ROOMS.
† Maurice Adelbert Hammond,	<i>Saratoga Spa, N. Y.</i>	33 N. C.
§ John Tiebout Hancock,	<i>Brooklyn, N. Y.</i>	31 N. C.
† Albert Folsom Harlow,	<i>Bridgeport.</i>	12 N. C.
† John Tooke Harp,	<i>Oneonta, N. Y.</i>	18 N. C.
George Milton Harris,	<i>Fitchburg, Mass.</i>	63 N. C.
John Walter Hart,	<i>Bristol.</i>	47 N. C.
† Frank Lewis Hewitt,	<i>Winsted.</i>	5 N. C.
† Paul Stanley Hopkins,	<i>Peking, China.</i>	16 N. C.
† William Leigh Pierce Jackson,	<i>Middletown. 392 Washington St.</i>	
§ Robert Malcolm Keir,	<i>Seymour.</i>	X ♀. Lodge.
† Sidney Edwin Kent,	<i>Washington, D. C.</i>	43 N. C.
Frank Howard Kidder,	<i>Winsted.</i>	52 N. C.
Harold Clarence Kilborn,	<i>Union, N. Y.</i>	47 N. C.
† Whitney Kipp,	<i>Washington, D. C.</i>	43 N. C.
† Royal E LaGrange,	<i>Lyon Mountain, N. Y.</i>	55 N. C.
† William Ernest Leighton,	<i>Portland, Me.</i>	30 N. C.
† William Cotton Maynard,	<i>Hartford, N. Y.</i>	55 N. C.
§ Frank George Meredith,	<i>Lynn, Mass.</i>	29 N. C.
§ Arthur Henry Middlemass,	<i>New Britain.</i>	41 N. C.
† Carleton Friend Miller,	<i>Wallingford.</i>	341 High St.
§ David DeWitt Miller,	<i>Greenwich.</i>	46 N. C.
Ralph Emerson Myers,	<i>Buskirk Bridge, N. Y.</i>	61 N. C.
Eric McCoy North,	<i>New York, N. Y.</i>	311 High St.
§ Richard David Northrop,	<i>Middletown.</i>	53 N. C.
† William Henry Odell, Jr.,	<i>Norwalk.</i>	64 Church St.
† Seth Chatham Morse Packard,	<i>Wareham, Mass.</i>	16 N. C.
John Gregg Paine,	<i>Columbia, Pa.</i>	X ♀. Lodge.
Robert Nelson Patterson,	<i>Portland.</i>	13 Foss House.
§ Charles Sylvester Preble,	<i>Harrington, Me.</i>	44 Mt. Vernon St.
† Howard Raymond Rarig,	<i>Catawissa, Pa.</i>	6 Foss House.
† Benjamin Franklin Reiter,	<i>Philadelphia, Pa.</i>	Δ. K. E. House.
† Chester Allen Rich,	<i>Provincetown, Mass.</i>	28 N. C.
George Wilson Roberts,	<i>Wethersfield.</i>	39 N. C.
† Harry Edward Roelke,	<i>Frederick, Md.</i>	242 High St.
† Harold Hope Seeley,	<i>E. Orange, N. J.</i>	B. Θ. Π. House.
§ William Kenneth Sessions,	<i>Bristol.</i>	X ♀. Lodge.
Frank Alton Shailer,	<i>Plainville.</i>	41 N. C.
† Melvin Asa Shaw,	<i>E. Longmeadow, Mass.</i>	28 N. C.

NAMES.	RESIDENCES.	ROOMS.
Clarence McKinlay Sherwood,	<i>Albany, N. Y.</i>	14 N. C.
Finley Hall Shiland,	<i>Cambridge, N. Y.</i>	12 Foss House.
§ George Slate Simmons,	<i>Brooklyn, N. Y.</i>	17 N. C.
Henry Robertson Skeel,	<i>New York, N. Y.</i>	X. ♀. Lodge.
† Harold Stevenson Sloan,	<i>Brooklyn, N. Y.</i>	27 N. C.
§ George Batchelder Soule,	<i>Montclair, N. J.</i>	42 N. C.
† Charles West Sprague,	<i>Montclair, N. J.</i>	49 N. C.
§ Frank Hatch Streightoff,	<i>Montclair, N. J.</i>	11 N. C.
§ Harry Erskine Surdam,	<i>Binghamton, N. Y.</i>	5 Foss House.
† Guy Vernon Sweet,	<i>Albany, N. Y.</i>	301 College St.
† Willis Mitchell Tate,	<i>Waterbury.</i>	17 N. C.
William Elmer Traxler,	<i>Rohrsburg, Pa.</i>	15 Foss House.
† Montgomery Rea Trimmer,	<i>Hackettstown, N. J.</i>	X. ♀. Lodge.
§ Henry Crouch Webb,	<i>Dover, Del.</i>	19 N. C.
Horace Glenn White,	<i>Brooklyn, N. Y.</i>	313 William St.
§ Roger Tryon Wilcox,	<i>Westfield, N. J.</i>	37 N. C.
§ Clinton Fiske Wilding,	<i>Paterson, N. J.</i>	31 N. C.
§ William Rulon Williamson,	<i>Waterport, N. Y.</i>	18 N. C.
§ Stanley Davis Wilson,	<i>Searsmont, Me.</i>	32 N. C.
† Wilhelm Albert Wintter,	<i>Bridgeport.</i>	53 N. C.
Harvey Alden Wooster,	<i>New Britain,</i>	5 N. C.
† Ethel Wolcott Andrews,	<i>Brooklyn, N. Y.</i>	274 High St.
§ Frances Henrietta Bickford,	<i>Shelton.</i>	274 High St.
† Ethel Clara Burr,	<i>Higganum.</i>	274 High St.
† Anna Belle Knowles,	<i>Higganum.</i>	85 College St.
§ Rosa Mary Palladino,	<i>Montclair, N. J.</i>	274 High St.
§ Blanche Mellen Peberdy,	<i>Hartford.</i>	274 High St.
† Marguerite Sanborn,	<i>Worcester, Mass.</i>	274 High St.
Carrie Belle Spafard,	<i>Glastonbury.</i>	31 Broad St.

SPECIAL STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Thomas William Coote,	<i>Wilbraham, Mass.</i>	<i>Δ. T. Δ. House.</i>
Chester Wilson Fairlie,	<i>Newark, N. J.</i>	<i>Δ. K. E. House.</i>
Stephen Howland,	<i>Berlin, Germany.</i>	<i>178 Church St.</i>
Frederick Frye Rockwell,	<i>Putnam.</i>	<i>Ivy Hall.</i>
James William Weld,	<i>Saranac Lake, N. Y.</i>	<i>Ivy Hall.</i>
Jean Mitchell,	<i>Hartford.</i>	<i>274 High St.</i>

SUMMARY.

	MEN.	WOMEN.	TOTAL.
GRADUATE STUDENTS, - - - -	17	—	17
SENIORS, - - - -	56	12	68
JUNIORS, - - - -	59	8	67
SOPHOMORES, - - - -	79	2	81
FRESHMEN, - - - -	91	8	99
SPECIAL STUDENTS, - - - -	5	1	6
TOTAL, - - - -	307	31	338

ABBREVIATIONS.

N. C., - - - -	- - - -	North College.
S. C., - - - -	- - - -	South College.
O. H., - - - -	- - - -	Observatory Hall.
J. H., - - - -	- - - -	Judd Hall.
F. H., - - - -	- - - -	Fisk Hall.
S. L., - - - -	- - - -	Scott Laboratory of Physics.
§ - - - -	- - - -	Latin-Scientific Course.
† - - - -	- - - -	Scientific Course.

GENERAL STATEMENT.

COURSES OF STUDY.—The College presents to its undergraduate students the option of three parallel courses of study, each extending through four years, named respectively the Classical Course, the Latin-Scientific Course, and the Scientific Course.

In the Classical Course, the study of Latin and Greek forms a large part of the required work of the first year. In the Latin-Scientific Course, Greek is omitted, and, in the Scientific Course, both Greek and Latin are omitted, in order to give more extended opportunity for the study of modern languages, science, and literature.

REQUIRED AND ELECTIVE STUDIES.—In each of the foregoing courses, nearly all the studies of the first year are required. In the three remaining years, the amount of required work is progressively diminished, the student being allowed to complete his quota by selecting from a wide range of elective studies. He is expected, however, to regulate his choice so that his electives will together form an harmonious and symmetrical course of study; and in no case is a student allowed to select a study which he is not, in the judgment of his instructors, qualified to pursue with advantage.

SPECIAL COURSES.—Students who do not desire to complete any one of the foregoing courses may receive instruction in such studies as they may select, provided they prove themselves, upon examination, qualified to pursue them with advantage. It should, however, be understood that this provision is intended for the benefit, not of those students who are incompetent to take one of the regular courses, but of those who have already obtained a preliminary education so thorough as to enable them to pursue with advantage extended

courses of study in particular departments. Such special students will be expected to attend all exercises assigned them, and will be subject to all the general rules of the college.

GRADUATE STUDIES.—Extended instruction is given to those who wish to pursue graduate courses of study in any of the departments. Further information concerning such graduate courses is given in the reports of the several departments on courses of instruction, and also in connection with the statement of conditions for the degrees of Master of Arts and Master of Science.



*I was entered into the
Scientific Course.*

WESLEYAN UNIVERSITY.

29

TERMS OF ADMISSION.

CLASSICAL COURSE.*

Candidates for admission to the Classical Course are examined in the following subjects:—

- X LATIN.—1. Latin grammar, including prosody. X
- X 2. Caesar (Gallic or Civil Wars),—90 to 120 pages. Some of the X
Lives of Nepos may be substituted for a part of this requirement.
- X 3. Cicero,—six orations, preferably those against Catiline, and X
those for Archias and for the Manilian Law.
- X 4. Vergil (or Ovid),—Aeneid, books I.–VI., and either the
Eclogues of Vergil or ~~the~~ Ovid.
- X 5. Translation at sight into English of passages of Latin, both X
prose and poetry, of average difficulty.
- X 6. Translation into Latin of simple English sentences and of easy X
narrative passages based on the prose authors read.

With the passages set under headings 5 and 6, a vocabulary of the less common words is supplied.

GREEK.—1. Greek grammar, including prosody,—Hadley-Allen's or Goodwin's.

- 2. Xenophon,—Anabasis, books I.–IV.
- 3. Homer,—Iliad, books I.–III.
- 4. Translation at sight of one or more passages from Xenophon.
- 5. Translation into Greek of easy narrative passages based on the required books of the Anabasis.

ANCIENT HISTORY AND GEOGRAPHY.—1. History of Rome to the death of Marcus Aurelius.

- 2. History of Greece to the capture of Corinth, 146 B. C.
- 3. Ancient geography.

* For announcement of prize for excellence in the studies preparatory to admission, see "Ayres Prize."

The following books are recommended as the basis of instruction in ancient history and geography:—

1. Botsford's History of Rome.
2. Botsford's History of Greece.
3. Tozer's Primer of Ancient Geography.

Familiarity with map-drawing is also especially desirable.

MATHEMATICS.—1. Algebra,—Fundamental operations, factors, common divisors and multiples, fractions, negative quantities and the interpretation of negative results, powers and roots, the binomial theorem for positive integral exponents, radicals, equations of the first and second degrees with one or more unknown quantities, putting problems into equations, ratios and proportions, arithmetical and geometrical progressions.

2. Plane geometry,—Demonstrations, constructions, and solutions of numerical problems.

ENGLISH.—1. *Reading and Practice*. A limited number of books are assigned for reading. The candidate is required to present evidence of a general knowledge of the subject-matter of these books, and to answer simple questions on the lives of their authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and calls for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may present an exercise book, properly certified to by his instructor, containing compositions or other written work done in connection with the reading of the books. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:—

1906, 1907, and 1908 — Shakespeare's *Macbeth* and *Merchant of Venice*; The Sir Roger de Coverley Papers in *The Spectator*; Irving's *Goldsmith*; Coleridge's *Ancient Mariner*; Scott's *Ivanhoe* and *Lady of the Lake*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *Vision of Sir Launfal*; George Eliot's *Silas Marner*.

2. *Study and Practice.* A smaller number of books are assigned for more careful study. The examination upon these books covers subject-matter, form, and structure, and also tests the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be:—

1906, 1907, and 1908—Shakespeare's *Julius Caesar*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Milton*, and *Life of Johnson*.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

LATIN-SCIENTIFIC COURSE.

Candidates for admission to the Latin-Scientific Course are examined in the following subjects:—

LATIN.—Same requirements as for the Classical Course.

ANCIENT HISTORY AND GEOGRAPHY.—Same requirements as for the Classical Course, including Greek history and geography.

MATHEMATICS.—Same requirements as for the Classical Course.

ENGLISH.—Same requirements as for the Classical Course.

Four additional courses, to be selected from the following list (provided that at least one course in modern languages must be selected):—

1. **ELEMENTARY FRENCH** (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 400 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of French, elementary grammatical questions, and the translation of simple English sentences into French. To meet this requirement two years' work will generally be necessary.

2. **ELEMENTARY GERMAN** (counting as two courses).—Such a knowledge of the language is required as may be obtained by the

reading of at least 300 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of German, elementary grammatical questions, and the translation of simple English sentences into German. To meet this requirement two years' work will generally be necessary.

3. ADVANCED FRENCH.—The requirement includes the reading of not less than 600 additional pages of French (including at least two works of a dramatic character), and regular practice in writing and speaking French. At least one additional year of study will be necessary to meet this requirement.

4. ADVANCED GERMAN.—The requirement includes the reading of at least 300 additional pages of German (not more than half of which should be fiction), and regular practice in writing and speaking German. At least one additional year of study will be necessary to meet this requirement.

5. ADVANCED MATHEMATICS (counting as two courses).—(1) Solid geometry. (2) Plane trigonometry, with the use of logarithmic and trigonometric tables. (3) Analytic geometry,—the straight line, the circle, and elementary properties of the conic sections.

6. PHYSICAL GEOGRAPHY AND BOTANY.—(1) In physical geography, such a knowledge of the subject is required as may be gained from the study of the text-book of any one of the following authors: Tarr, Davis, Gilbert and Brigham, Hinman, Dryer, and Geikie. Certificates in physical geography will not be accepted without examination unless one of the text-books above mentioned has been used, nor unless the time devoted to the study has been at least the equivalent of four exercises a week for a half-year.

(2) In botany, the candidate must show such a knowledge of the subject as may be gained from either (1) the study of morphological and structural botany, as included in the more recent elementary botanical text-books of Spaulding or Bergen; or (2) the study of Gray's Lessons in Botany, accompanied by analysis and description of flowers.

7. PHYSICS.—(1) Such a knowledge of the subject is required as may be obtained, for example, from Carhart and Chute's High School Physics, Avery's School Physics, Wentworth and Hill's Text-book of Physics, or Hoadley's Brief Course in Physics.

(2) The candidate must also have performed a series of at least thirty experiments selected as representative of the different departments of physics, and *involving careful measurements*, in addition to any qualitative or very simple quantitative experiments he may have performed, and must present his original note-book, containing full records of the experiments, and certified to by his instructor.

To meet this requirement a full year's work of five exercises a week will in general be necessary.

8. CHEMISTRY.—(1) Such a knowledge of the subject is required as may be gained from Storer and Lindsay's Manual of Chemistry (omitting pp. 230-286), Remsen's Chemistry, Elementary Course, or Newell's Descriptive Chemistry.

(2) The candidate must also have performed a series of at least fifty experiments, and must present his original note-book, containing records of the processes and results of the experiments, and certified to by his instructor.

9. HISTORY OF ENGLAND AND OF THE UNITED STATES.—Such a knowledge of the subject is required as may be gained from Montgomery's Leading Facts of English History, and Johnston's History of the United States for Schools or Montgomery's Student's American History.

SCIENTIFIC COURSE.

Candidates for admission to the Scientific Course are examined in the following subjects:—

MATHEMATICS.—Same requirements as for the Classical Course.

ENGLISH.—Same requirements as for the Classical Course.

HISTORY OF ENGLAND AND OF THE UNITED STATES, as specified above.

Eight additional courses, to be selected from the following list (provided that at least one course in modern languages and at least one course in natural science must be selected):—

1. ELEMENTARY LATIN (counting as two courses). — Grammar; Caesar (Gallic or Civil Wars),—90 to 120 pages (some of the Lives of Nepos may be substituted for a part of this requirement); translation into Latin of simple English sentences.

2. **ADVANCED LATIN.**—(1) *Either* Cicero, — six orations, preferably those against Catiline, and those for Archias and for the Manilian Law; *or* Vergil, — Aeneid, books I.–VI., and Eclogues (1,000 verses of Ovid may be substituted for the Eclogues). (2) Translation at sight into English of passages of easy narrative prose Latin.

3. **ADVANCED MATHEMATICS** (counting as two courses), as specified on page 32.

4. **ELEMENTARY FRENCH** (counting as two courses), as specified on page 31.

5. **ELEMENTARY GERMAN** (counting as two courses), as specified on page 31.

6. **ADVANCED FRENCH**, as specified on page 32.

7. **ADVANCED GERMAN**, as specified on page 32.

8. **PHYSICAL GEOGRAPHY AND BOTANY**, as specified on page 32.

9. **PHYSICS**, as specified on page 32.

10. **CHEMISTRY**, as specified on page 33.

SPECIAL COURSES.

Special students, not candidates for a degree, may be admitted, upon passing such examinations as the Faculty shall in each case prescribe. (See also page 27.)

GENERAL REGULATIONS CONCERNING ADMISSION.

ADVANCED STANDING.—All candidates for advanced standing must satisfy the Faculty of their proficiency in the preparatory studies, the required studies already pursued by the classes they propose to enter, and the proper quota of elective studies, or studies recognized as equivalents therefor. A certificate of standing in another college is not accepted as evidence of such proficiency, without such further inquiry or examination as may be necessary in the judgment of the respective instructors.

PRELIMINARY EXAMINATIONS.—A candidate for admission may obtain a preliminary record a year or more in advance of the time at which he expects to enter college, on condition of passing, in the June and September examinations of any year taken together, in the equivalent of at least half of the requirements for admission. Teachers and prospective candidates for admission may obtain from the Secretary of the Faculty a schedule of the values which will be assigned to each subject in determining the question of a student's preliminary record.

DATE AND PLACE OF EXAMINATIONS.—The regular examination for admission is held on the Thursday and Friday of Commencement week. Candidates must present themselves at 9 A. M. on the former day. A second examination is held, commencing on the day preceding the first day of the first term. Candidates may be examined in Philadelphia, Cleveland, Cincinnati, or Chicago, provided they make application to the President before June 1. The time of these examinations will be Thursday and Friday of Commencement week. If no applications are received before June 1, these examinations will not be held.

ADMISSION BY CERTIFICATE.—Certificates covering the foregoing requirements for admission to college are received from certain schools of good standing, which have been approved by the Faculty. The privilege of certification is not given to schools which require less than four years of Latin and three years of Greek in their college preparatory course.

No certificate will be received hereafter from any school in New England which has not been approved by the New England College Entrance Certificate Board, of which this college is a member. The Secretary of the Board is Prof. N. F. Davis, of Brown University, Providence, R. I., to whom applications from New England schools for the certificate privilege should be addressed. Such applications must reach the Secretary not later than April first, if approval is desired for the next academic year.

Diplomas (but not certificates) issued by the Regents of the University of the State of New York, and pass cards supplementary to such diplomas, will be received in lieu of examination in the subjects which they cover.

Certificates from preparatory schools and Regents' diplomas are never accepted in lieu of examination for advanced standing.

Students entering by certificate are considered as on trial until the completion of the mid-year examinations. A student admitted to college on certificate, who is dismissed during his Freshman year on account of inability to keep up with his class, must take examinations in all subjects required for admission, in case he desires to return to college.

Detailed information concerning admission by certificate may be obtained on application to the Secretary of the Faculty.

ADMISSION OF WOMEN.—Women were first admitted to the University in 1872. The rule at present in force in regard to their admission was adopted by the Trustees in June, 1900, as follows: "The University will admit women in a number limited to those who can be accommodated in the college buildings and in their own homes in Middletown, and the number in the University shall be limited to twenty per cent. of the whole number of students in the preceding year."

In view of the limitation of the number of women to be admitted, all women desiring admission should, if possible, make application to the Secretary of the Faculty before June 15th, though applications made later will in some cases be considered.

Miss Julia Brazos, Ph. B., Dean of Women, has general oversight of the interests of the women students, and correspondence from women on all matters, except admission, course of study, and tuition scholarships, should be addressed to her.

All candidates for admission must present satisfactory testimonials of good moral character; and certificates of honorable dismissal will be required from those who have been members of other colleges.

COURSES OF INSTRUCTION.

For regulations concerning selection of studies, see page 71.

The figures ¹ or ² following the number of a course indicate respectively that the course is offered for the first or the second half-year.

The place of meeting of each course is indicated by means of the following abbreviations: F. H.=Fisk Hall; J. H.=Judd Hall; O. H.=Observatory Hall; S. L.=Scott Laboratory of Physics; CHEM. LAB., BIOL. LAB.=Chemical, Biological Laboratory.

The Roman numerals in parenthesis following each course indicate the examination group to which it is assigned. For table of groups, see pages 69 and 70.

An asterisk prefixed to the number of a course indicates that it can be elected only with the previous approval of the instructor.

LATIN.

PROFESSOR HARRINGTON; ASSOCIATE PROFESSORS NICOLSON
AND HEWITT.

NOTE.—Of the following courses in Latin Courses I.-IV. are given every year; of Courses V.-XVIII. each is given in alternate years only, the bracketed courses being omitted in 1905-06, but to be given in 1906-07 in place of the unbracketed courses. Course I. is required of all Classical and Latin-Scientific Freshmen; Courses II.-IV. are elective for those who have taken Course I., and are required of candidates for preliminary honors in classics. Courses V.-XVIII. are elective for those who have taken Courses I.-III., but students of marked ability in the reading of Latin, who are taking Courses II. and III., may be admitted to certain of them by special permission from the instructor, to whom application should in each case be made.

I. LIVY,—Selections (*first half-year*). TERENCE,—Phormio; PLAUTUS,—Captivi; CICERO,—De Senectute (*second half-year*). Exercises in sight translation and in prose composition throughout the year. SECTION 1, *Mon., Wed., Th., Fri., at 9*; SECTION 2, *Mon., Wed., Th., Fri., at 11*; SECTION 3, *Mon., Wed., Th., Fri., at 12*. 31 F. H. PROFESSORS NICOLSON and HEWITT. (II.)

Course I. is required of Classical and Latin-Scientific Freshmen.

II.¹ CICERO,—Selected Letters. *Tu., Th., at 9 (first half-year).*
13 F. H. PROFESSOR HARRINGTON. (VIII.)

III.² HORACE,—Odes and Epodes. *Tu., Th., at 9 (second half-year).* 13 F. H. PROFESSOR HARRINGTON. (VIII.)

IV. LATIN PROSE COMPOSITION. The course begins with the systematic study of the elementary principles of Latin rhetoric, accompanied by brief practical exercises, and proceeds, in the second half-year, to the rendering into Latin of connected passages of modern historical and epistolary prose. *Fri., at 3.* 31 F. H. PROFESSOR HEWITT.

V. RAPID READING. The aim in this course is to read large amounts of comparatively easy Latin, with a view to acquiring facility in the use of the language. The selection for the first half-year is from poetry; in the second half-year from prose. *Tu., Th., at 11.* 13 F. H. PROFESSOR NICOLSON. (X.)

[VI. ROMAN LITERATURE. A historical and critical survey of Roman literature; illustrative class-room readings; a choice of one of six courses of collateral reading of Roman authors. *Twice a week (counting as three hours).* PROFESSOR HARRINGTON.]

VII. ROMAN ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, and Ovid. *Tu., Th., at 12.* 13 F. H. PROFESSOR HARRINGTON. (XI.)

[VIII.¹ OVID,—the Fasti, with special attention to questions of Roman history and ritual. *Twice a week (first half-year).* PROFESSOR NICOLSON.]

[IX.¹ ROMAN SATIRE. Selections from Ennius, Lucilius, Varro, Horace, and Persius. *Twice a week (first half-year).* PROFESSOR HARRINGTON.]

[X.² ROMAN SATIRE. A continuation of Course IX. Selections from Juvenal, Petronius, and Apuleius; the Apocolocyntosis of Seneca; lectures on the earliest forms of the novel. *Twice a week (second half-year).* PROFESSOR NICOLSON.]

XI. ROMAN PHILOSOPHY. Lucretius (selections); Cicero (selections from the *Academica*, *De Officiis*, *Tusculanae Disputationes*, *De Finibus*, *De Natura Deorum*); Seneca (*De Providentia*, *De Vita Beata*); lectures on the development of Roman philosophy. *Wed., Fri., at 12.* 37 F. H. PROFESSOR HARRINGTON. (V.)

XII.¹ PLINY THE YOUNGER,—Selected Letters, to illustrate (together with Course X.) the state of Roman society at the close of the first century after Christ. *Mon., Wed., at 9 (first half-year)*. 13 F. H. PROFESSOR HARRINGTON. (II.)

[XIII.² TACITUS. Selections from the Annals I.–VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

XIV.² CATULLUS,—with some comparison of other Latin lyric poetry. *Mon., Wed., at 9 (second half-year)*. 13 F. H. PROFESSOR HARRINGTON. (II.)

[XV. ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Twice a week*. PROFESSOR HARRINGTON.]

XVI. ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern-slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Tu., Th., at 10*. 32 F. H. PROFESSOR HARRINGTON. (IX.)

[XVII.¹ LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[XVIII.² HISTORICAL LATIN GRAMMAR. Lectures on the development of the language in forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

For the most successful prosecution of even the earlier courses in Latin, ability to read German prose on philological subjects is decidedly advantageous, and for the most advanced courses it is generally necessary. Students, therefore, who look forward to the study of Latin beyond the more elementary courses, and who have on admission to college no acquaintance with German, should devote special attention to that subject in the Freshman year.

GREEK.

PROFESSOR HEIDEL; ASSOCIATE PROFESSOR HEWITT.

I. LYSIAS,—Select Orations; PLATO,—Apology (*first half-year*). PLATO,—Crito and Phædo (selections); HOMER,—Odyssey (*second half-year*). SECTION I, *Tu., Wed., Th., Fri., at 9*; SECTION 2, *Tu., Wed., Th., Fri., at 10*. 37 F. H. PROFESSORS HEIDEL and HEWITT. (III.)

Course I. is required of Classical Freshmen.

II. THUCYDIDES,—Books VI. and VII. The History of the Sicilian Expedition (*first half-year*). GREEK TRAGEDY. Lectures and collateral reading on the Greek theatre and the Attic tragedy (*second half-year*). *Tu., Th., at 11*. 37 F. H. PROFESSOR HEIDEL. (X.)

Course II. is elective for those who have taken Course I. It is required of candidates for preliminary honors in classics.

III. HISTORY OF GREEK LITERATURE. Lectures and recitations. Each student pursues a short course of special reading in Greek or English. *Th., at 2*. 37 F. H. PROFESSOR HEIDEL.

Course III. is elective for those who take Course II., or for Juniors. It is required of candidates for preliminary honors in classics.

IV. PLATO,—Gorgias (*first half-year*). ARISTOPHANES,—One play. LYRIC POETS,—Selections (*second half-year*). *Mon., Wed., Fri., at 8*. 37 F. H. PROFESSOR HEIDEL. (I.)

Course IV. is elective for those who have taken Course II.

[V. DEMOSTHENES,—The Oration on the Crown. Collateral study of the oration of Aeschines against Ctesiphon, and of the life and times of Demosthenes (*first half-year*). SOPHOCLES,—Antigone and Electra. EURIPIDES,—Iphigenia among the Taurians (*second half-year*). *Three times a week*. PROFESSOR HEIDEL.]

Course V. is elective for those who have taken Course II. It is omitted the present year.

VI.² ARISTOPHANES. The reading of four or five plays is supplemented by lectures and reports on the political, religious, and private antiquities of the Athenians. *Mon., Wed., at 3* (*second half-year*). 37 F. H. PROFESSOR HEWITT. (VI.)

Course VI. is elective for those who have taken Course II.

[VII.¹ THE PUBLIC ANTIQUITIES OF ATHENS. This course includes a study of the organization of Athenian society, slavery, religion as connected with the state, and the duties of the Athenian as a citizen. Lectures, collateral reading, and reports. *Twice a week (first half-year)*. PROFESSOR HEIDEL.]

Course VII. is elective for those who have taken Course II. It is omitted the present year.

VIII. GREEK PHILOSOPHERS. Ritter and Preller's *Historia Philosophiæ Græcæ* serves as a basis for the work of the course. Collateral reading and reports. *Mon., 7-9 p. m.* 32 F. H. PROFESSOR HEIDEL.

Course VIII. is elective for those who have taken either Course IV. or Course V.

It is very desirable that those who elect the advanced courses in Greek should be able to read German prose on philological subjects.

GERMAN.

PROFESSOR FIFE; MR. SUPER.

I. ELEMENTARY GERMAN. Vos's *Essentials of German*; Caruth's *German Reader*; Storm, — *Geschichten aus der Tonne*; C. F. Meyer, — *Das Amulett*; Wildenbruch, — *Der Letzte*; Wilbrandt, — *Jugendliebe*. Thomas's *Practical German Grammar*. Wesselhoeft's *Exercises in German Conversation and Composition*. SECTION 1, *Mon., Wed., Fri., at 8.* 13 F. H. SECTION 2, *Mon., Wed., Fri., at 12.* 15 F. H. PROFESSOR FIFE and MR. SUPER. (I.)

For rules in regard to the election of I. German, see page 46.

II. ADVANCED GERMAN. Seume, — *Mein Leben*; Schiller, — *Wilhelm Tell*; Lessing, *Emilia Galotti*; Keller, — *Romeo und Julia auf dem Dorf*; Sudermann, — *Frau Sorge*. A part of this reading is done at sight. One hour a week throughout the year is devoted to a review of elementary grammar, with paraphrases and prose composition. Text-books, Poll's *Prose Composition*; Thomas's *Practical German Grammar*. *Mon., Wed., Fri., at 11.* 15 F. H. PROFESSOR FIFE. (IV.)

Course II. is elective for those who have taken Course I.

III. GERMAN CONVERSATION AND GERMAN DAILY LIFE. Practice in conversation based on Fossler's Practical German Conversation and R. Kron's German Daily Life, supplemented by lectures and pictures illustrating German life and institutions. All class exercises are conducted in German. *Tu., at 2.* 39 F. H. PROFESSOR FIFE.

Course III. is elective for those who have taken Courses I. and II. It may be elected, with the permission of the instructor, together with Course II.

[* IV.¹ PROSE COMPOSITION AND ADVANCED GRAMMAR. This course begins with an intensive review of the elementary phonology and forms of the language, followed by a systematic study of German syntax, and an introduction to historical grammar. Regular class exercises in composition, supplemented by independent themes. *Twice a week (first half-year).* PROFESSOR FIFE.]

Course IV. is elective, with the permission of the instructor, for those who have taken Courses I.-III. It is intended especially for those preparing to teach German. It is omitted the present year.

V. GOETHE AND SCHILLER. 1. A study of Goethe's life with selected parallel readings from his plays and lyrics. During the current year the following are read, in the order named: Götz von Berlichingen, Hermann und Dorothea, Lyrics (Goebel's edition), Faust I. Lectures and themes. 2. A study of Schiller's life, with selected readings. During the current year, Wallenstein (all parts); Ballads (Johnson's edition). *Tu., Th., Fri., at 12.* 39 F. H. PROFESSOR FIFE. (XI.)

Course V. is elective for those who have taken Courses I. and II.

VI.¹ NINETEENTH CENTURY LITERATURE. Various phases and periods are studied in successive years. During the current year the later drama of the nineteenth century is taken up. Rapid readings from Hebbel, Ludwig, Wildenbruch, Ernst. The first work read is Otto Ludwig's Erbförster. *Wed., Fri., at 11 (first half-year).* 13 F. H. MR. SUPER. (IV.)

VII.² HEINRICH HEINE. A study of the poet's life and works, with rapid readings from his lyrics and prose. A part of this reading is done as collateral. *Tu., Th., at 3 (second half-year).* 39 F. H. PROFESSOR FIFE. (XII.)

Courses VI. and VII. are elective for those who have taken Courses I. and II.

VIII.² HISTORY OF GERMAN LITERATURE, I. From the earliest beginnings to the end of the sixteenth century. A course of lectures, supplemented by parallel readings from Max Müller's German Classics, and by themes. Robertson's History of German Literature is used for reference. All lectures and class exercises are conducted in German. *Tu., Th., at 11 (second half-year)*. 36 F. H. PROFESSOR FIFE. (X.)

[IX.² HISTORY OF GERMAN LITERATURE, II. From the beginning of the seventeenth century to the present time. A course of lectures, supplemented by parallel readings and themes. All class exercises are conducted in German. *Twice a week (second half-year)*. PROFESSOR FIFE.]

Courses VIII. and IX., which are given in alternate years, are elective for those who have taken Courses I. and II., and who have taken, or are taking, Course III. Course IX. is omitted the present year.

X.¹ MIDDLE HIGH GERMAN. Wright's Middle High German Primer, supplemented by Paul's Mittelhochdeutsche Grammatik. All linguistic questions are treated from the standpoint of modern German. Readings from Hartmann von Aue's Armer Heinrich (Bech's edition), the Nibelungenlied (Zarncke), and Walther von der Vogelweide (Pfeiffer-Bartsch). All lectures and class exercises are conducted in German. *Tu., Th., at 8 (first half-year)*. 36 F. H. PROFESSOR FIFE. (VII.)

Course X. is elective for those who have taken Courses I.-III.

GRADUATE INSTRUCTION.

Courses VIII., IX. and X. are intended as an introduction to graduate work, and may, with additional requirements, be taken as graduate courses. Further graduate instruction may be arranged for through private conference.

ROMANCE LANGUAGES.

PROFESSOR KUHN: MR. SUPER.

I. ELEMENTARY FRENCH. Fraser and Squair's French Grammar, Part I. Kuhn's French Reading for Beginners. Marguerite,—Strasbourg; Erckmann-Chatrian,—Madame Thérèse; About,—Le

Roi des Montagnes. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., Wed., Fri., at 8*; SECTION 2, *Mon., Wed., Fri., at 3*. 14 F. H. MR. SUPER. (VI.)

For rules in regard to the election of I. French, see page 46.

II. ADVANCED FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight reading in class, and for each half-year collateral reading is given to be prepared by the student himself for examination. On Fridays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. *Mon., Wed., Fri., at 11*. 39 F. H. PROFESSOR KUHS. (IV.)

Course II. is elective for those who have taken Course I.

*III. FRENCH COMPOSITION AND CONVERSATION. The object of this course is to give practice in writing, speaking, and hearing French. There is a large amount of composition, interesting stories are read and discussed, and lectures are given in French on the modern French novel. During the year several informal lectures on travel in Europe are given in French by Professor Kuhns. These lectures are illustrated by lantern-slides. *Mon., Wed., at 2*. 12 F. H. MR. SUPER.

Course III. is elective, with the permission of the instructor, for those who have taken, or are taking, Course II.

*IV. MODERN FRENCH LITERATURE. Selections from the more important authors of the seventeenth, eighteenth and nineteenth centuries. There is at each recitation translation of English into French. Further, frequent lectures are given on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. In addition, each member of the class must take a somewhat extended course of reading, and must prepare a thesis, at the end of each half-year, on the life and works of some author to be selected by the student. *Tu., Th., at 10*. 39 F. H. PROFESSOR KUHS. (IX.)

Course IV. is elective, with the permission of the instructor, for those who have taken, or are taking, Course III.

V. OLD FRENCH. The work for the current year consists in the translation of Old French texts, and the study of Old French literature, with special reference to its influence on the literatures of the

other nations of Western Europe. Lectures, collateral readings and reports form part of the work. *Tu., Th., at 9.* 35 F. H. PROFESSOR KUHN. (VIII.)

Course V. is elective for those who have taken Courses I.-IV.

*VI. FRENCH SEMINARY. This course is especially designed to meet the needs of those who intend to teach French. It includes the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. *Mon., at 3.* 35 F. H. PROFESSOR KUHN. (VI.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

VII. ELEMENTARY ITALIAN. Italian Principia, I. De Amicis, —Cuore; Pellico, —Le Mie Prigioni; Manzoni, —I Promessi Sposi. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the *Inferno* and the *Purgatorio* of Dante, the last half-hour of each recitation being devoted to this exercise. As a preparation for this part of the work, the class is required to read Dinsmore's *Aids to the Study of Dante*. *Mon., Wed., at 8.* 39 F. H. PROFESSOR KUHN. (I.)

Course VII. is elective for Sophomores who have taken I. French.

[VIII. ADVANCED ITALIAN. Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Twice a week.* PROFESSOR KUHN.]

Course VIII. is elective for those who have taken Course VII. It is omitted the present year.

IX. DANTE IN ENGLISH. The *New Life* and the *Divine Comedy* are read in English translations. The instructor interprets these books in the light of the history, science, theology and philosophy of the Middle Ages, compares Dante with Homer, Shakespeare, and other world-poets, and shows his influence on modern thought, art and literature. *Fri., at 8.* 39 F. H. PROFESSOR KUHN. (I.)

Course IX. is elective for Juniors.

[X. ELEMENTARY SPANISH. Grammar, and reading of simple Spanish prose. *Twice a week.* MR. SUPER.]

Course X. is elective for Sophomores who have taken I. French. It is omitted the present year.

[XI. ADVANCED SPANISH. The chief emphasis in this course will be laid on the Don Quijote of Cervantes. *Twice a week. MR. SUPER.*]

Course XI. is elective for those who have taken Course X. It is omitted the present year.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

Of the courses in French and German, Classical Freshmen are required to pursue either I. French or I. German, but are allowed their option between the two. Students in the Latin-Scientific Course are examined at entrance in the equivalent of either I. French or I. German, as they may elect, and in the Freshman year are required to pursue one course in French or German. They may continue the study of the language in which their entrance examination was taken, or may begin the study of the other language, as they may elect. Students in the Scientific Course are required to complete the equivalent of Courses I. and II. in French and I. and II. in German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as possible after entering.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

I. GENERAL INTRODUCTION TO ENGLISH LITERATURE. I. An outline of the history of the literature. Newcomer's History of English Literature, with lectures. *First half-year.*

2. Class-room reading and discussion of literary masterpieces, illustrative of different varieties and periods of English literature. The works selected are: Chaucer's Prologue to the Canterbury Tales, and the Nonne Preestes Tale; Shakespeare's Hamlet; Milton's minor poems and Samson Agonistes. *Second half-year.*

3. A brief course of collateral reading, with written recitations and essays upon subjects drawn from the reading. Members of the class choose one of the courses in Winchester's Five Short Courses of Reading in English Literature. These courses consist of selections from the following authors:

- (1) 1550-1774. Marlowe, then Shakespeare (Bacon?) etc.
- (2) 1700-1745. Dryden, Addison, Steele, Swift, with Johnson's Lives of Dryden, Swift and Pope, and Thackeray's Lectures on the English Humourists.
- (3) 1745-1780. Gray, Goldsmith, Johnson, Burns, Colver, Burns; with Leslie Stephen's Life of Johnson, Johnson's Life of Goldsmith, Marney's Life of Burns.
- (4) 1780-1832. Wordsworth, Coleridge, Keats, Shelley, Byron, Keats, Shelley, Keats.
- (5) 1832-1880. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson.

This work is tested by a series of written reports on and essays during the year. *Mod. Lit. 102* 25 F. H.

Course I. is elective for Sophomores.

II. SIX REPRESENTATIVE PLAYS OF SHAKESPEARE. A Midsummer Night's Dream, Henry IV., As You Like It, Twelfth Night, Antony and Cleopatra, The Winter's Tale. (See Leslie's Life and Works of Shakespeare. *Mod. Lit. 102* 25 F. H. 102)

[III. ENGLISH LITERATURE FROM 1780-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Twentieth Century*]

[IV. ENGLISH LITERATURE 1830-1892. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Twentieth Century*]

Courses II., III., and IV. are elective for those who have completed Course I. Courses III. and IV. are omitted the present year.

V. NEW ENGLAND LITERATURE 1830-1892. Emerson, Longfellow, Lowell, Hawthorne, Alcott, Holmes. *Mod. Lit. 102* 25 F. H.

[VI. LITERATURE FROM 1890-1900. Tolstoy, Dostoevsky, Stevie, Addison, Swift, Beaumont Newhall. *Twentieth Century*]

[VII. ESSAYISTS AND POETS FROM THE EARLY 19TH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Colver, Burns. *Twentieth Century*]

Courses V., VI., and VII. are elective with some restrictions for those who have taken Course I. either Course II. or Course III. or Course IV., and Course VIII. Courses VI. and VII. are omitted the present year.

VIII. ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's *Principles of Literary Criticism* is used as a text-book. *Fri., at 11.* 29 F. H. (IV.)

Course VIII. is elective for those who have taken Course I.

IX. DEBATE. Weekly practical exercises. Two members of the class are appointed to conduct the debate at each exercise. They must prepare written briefs of their argument, which are revised and corrected by the instructor, and are then publicly posted four days before the debate. *Mon., at 10.* 29 F. H.

Course IX. is elective for Seniors, and those who elect it are excused from half the rhetorical work required in Course X.

X. ENGLISH COMPOSITION. The rhetorical exercises of the Senior class are assigned to this department. Every Senior (unless excused from half this requirement by the provisions of Course IX.) must write either four essays or two orations. All written work receives the personal criticism of the instructor.

The rhetorical exercises of the Senior year are rated as the equivalent of three hours work per week for the year; these hours are required in addition to the minimum quota (14) prescribed for Seniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD.

I. RHETORIC. Baldwin's College Manual of Rhetoric, Mead's Composition and Rhetoric. For supplementary reading, Wendell's English Composition is recommended. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also at hours appointed by the instructor. SECTION 1, *Mon., at 8*; SECTION 2, *Tu., at 8*; SECTION 3, *Wed., at 8 (counting as two hours a week).* 29 F. H. (I.)

Course I. is required of Freshmen.

WEST VIRGINIA

THE UNIVERSITY OF CHICAGO

[illegible]

1. DATE _____
 2. TIME _____
 3. LOCATION _____
 4. WIND _____
 5. WAVE _____
 6. SEA _____
 7. SKY _____
 8. TEMP _____
 9. MOON _____
 10. STAR _____
 11. PLANET _____
 12. COMET _____
 13. SHOOTING STAR _____
 14. PLANETARY NEBULA _____
 15. STAR CLUSTER _____
 16. PLANETARY SYSTEM _____
 17. PLANETARY RING _____
 18. PLANETARY DISC _____
 19. PLANETARY CLOUD _____
 20. PLANETARY WIND _____
 21. PLANETARY MAGNETIC FIELD _____
 22. PLANETARY ATMOSPHERE _____
 23. PLANETARY SURFACE _____
 24. PLANETARY INTERIOR _____
 25. PLANETARY COMPOSITION _____
 26. PLANETARY EVOLUTION _____
 27. PLANETARY HABITABILITY _____
 28. PLANETARY BIOLOGY _____
 29. PLANETARY GEOLOGY _____
 30. PLANETARY CLIMATE _____
 31. PLANETARY WEATHER _____
 32. PLANETARY OCEANOGRAPHY _____
 33. PLANETARY ASTROPHYSICS _____
 34. PLANETARY COSMOLOGY _____
 35. PLANETARY PHYSICS _____
 36. PLANETARY CHEMISTRY _____
 37. PLANETARY BIOCHEMISTRY _____
 38. PLANETARY MICROBIOLOGY _____
 39. PLANETARY BOTANY _____
 40. PLANETARY ZOOLOGY _____
 41. PLANETARY ECOLOGY _____
 42. PLANETARY ENVIRONMENTAL SCIENCE _____
 43. PLANETARY SPACE SCIENCE _____
 44. PLANETARY AERONAUTICS _____
 45. PLANETARY ROBOTICS _____
 46. PLANETARY TELECOMMUNICATIONS _____
 47. PLANETARY DATA SCIENCE _____
 48. PLANETARY SYSTEMS ENGINEERING _____
 49. PLANETARY POLITICAL SCIENCE _____
 50. PLANETARY HISTORY _____
 51. PLANETARY CULTURE _____
 52. PLANETARY ARTS _____
 53. PLANETARY LITERATURE _____
 54. PLANETARY MUSIC _____
 55. PLANETARY FILM _____
 56. PLANETARY THEATRE _____
 57. PLANETARY DANCE _____
 58. PLANETARY VISUAL ARTS _____
 59. PLANETARY AUDIO ARTS _____
 60. PLANETARY VIDEO ARTS _____
 61. PLANETARY DIGITAL ARTS _____
 62. PLANETARY INTERACTIVE ARTS _____
 63. PLANETARY CONTEMPORARY ARTS _____
 64. PLANETARY MODERN ARTS _____
 65. PLANETARY POSTMODERN ARTS _____
 66. PLANETARY CONTEMPORARY LITERATURE _____
 67. PLANETARY MODERN LITERATURE _____
 68. PLANETARY POSTMODERN LITERATURE _____
 69. PLANETARY CONTEMPORARY MUSIC _____
 70. PLANETARY MODERN MUSIC _____
 71. PLANETARY POSTMODERN MUSIC _____
 72. PLANETARY CONTEMPORARY FILM _____
 73. PLANETARY MODERN FILM _____
 74. PLANETARY POSTMODERN FILM _____
 75. PLANETARY CONTEMPORARY THEATRE _____
 76. PLANETARY MODERN THEATRE _____
 77. PLANETARY POSTMODERN THEATRE _____
 78. PLANETARY CONTEMPORARY DANCE _____
 79. PLANETARY MODERN DANCE _____
 80. PLANETARY POSTMODERN DANCE _____
 81. PLANETARY CONTEMPORARY VISUAL ARTS _____
 82. PLANETARY MODERN VISUAL ARTS _____
 83. PLANETARY POSTMODERN VISUAL ARTS _____
 84. PLANETARY CONTEMPORARY AUDIO ARTS _____
 85. PLANETARY MODERN AUDIO ARTS _____
 86. PLANETARY POSTMODERN AUDIO ARTS _____
 87. PLANETARY CONTEMPORARY VIDEO ARTS _____
 88. PLANETARY MODERN VIDEO ARTS _____
 89. PLANETARY POSTMODERN VIDEO ARTS _____
 90. PLANETARY CONTEMPORARY DIGITAL ARTS _____
 91. PLANETARY MODERN DIGITAL ARTS _____
 92. PLANETARY POSTMODERN DIGITAL ARTS _____
 93. PLANETARY CONTEMPORARY INTERACTIVE ARTS _____
 94. PLANETARY MODERN INTERACTIVE ARTS _____
 95. PLANETARY POSTMODERN INTERACTIVE ARTS _____
 96. PLANETARY CONTEMPORARY CONTEMPORARY ARTS _____
 97. PLANETARY MODERN CONTEMPORARY ARTS _____
 98. PLANETARY POSTMODERN CONTEMPORARY ARTS _____
 99. PLANETARY CONTEMPORARY CONTEMPORARY LITERATURE _____
 100. PLANETARY MODERN CONTEMPORARY LITERATURE _____
 101. PLANETARY POSTMODERN CONTEMPORARY LITERATURE _____
 102. PLANETARY CONTEMPORARY CONTEMPORARY MUSIC _____
 103. PLANETARY MODERN CONTEMPORARY MUSIC _____
 104. PLANETARY POSTMODERN CONTEMPORARY MUSIC _____
 105. PLANETARY CONTEMPORARY CONTEMPORARY FILM _____
 106. PLANETARY MODERN CONTEMPORARY FILM _____
 107. PLANETARY POSTMODERN CONTEMPORARY FILM _____
 108. PLANETARY CONTEMPORARY CONTEMPORARY THEATRE _____
 109. PLANETARY MODERN CONTEMPORARY THEATRE _____
 110. PLANETARY POSTMODERN CONTEMPORARY THEATRE _____
 111. PLANETARY CONTEMPORARY CONTEMPORARY DANCE _____
 112. PLANETARY MODERN CONTEMPORARY DANCE _____
 113. PLANETARY POSTMODERN CONTEMPORARY DANCE _____
 114. PLANETARY CONTEMPORARY CONTEMPORARY VISUAL ARTS _____
 115. PLANETARY MODERN CONTEMPORARY VISUAL ARTS _____
 116. PLANETARY POSTMODERN CONTEMPORARY VISUAL ARTS _____
 117. PLANETARY CONTEMPORARY CONTEMPORARY AUDIO ARTS _____
 118. PLANETARY MODERN CONTEMPORARY AUDIO ARTS _____
 119. PLANETARY POSTMODERN CONTEMPORARY AUDIO ARTS _____
 120. PLANETARY CONTEMPORARY CONTEMPORARY VIDEO ARTS _____
 121. PLANETARY MODERN CONTEMPORARY VIDEO ARTS _____
 122. PLANETARY POSTMODERN CONTEMPORARY VIDEO ARTS _____
 123. PLANETARY CONTEMPORARY CONTEMPORARY DIGITAL ARTS _____
 124. PLANETARY MODERN CONTEMPORARY DIGITAL ARTS _____
 125. PLANETARY POSTMODERN CONTEMPORARY DIGITAL ARTS _____
 126. PLANETARY CONTEMPORARY CONTEMPORARY INTERACTIVE ARTS _____
 127. PLANETARY MODERN CONTEMPORARY INTERACTIVE ARTS _____
 128. PLANETARY POSTMODERN CONTEMPORARY INTERACTIVE ARTS _____
 129. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY ARTS _____
 130. PLANETARY MODERN CONTEMPORARY CONTEMPORARY ARTS _____
 131. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY ARTS _____
 132. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY LITERATURE _____
 133. PLANETARY MODERN CONTEMPORARY CONTEMPORARY LITERATURE _____
 134. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY LITERATURE _____
 135. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY MUSIC _____
 136. PLANETARY MODERN CONTEMPORARY CONTEMPORARY MUSIC _____
 137. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY MUSIC _____
 138. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY FILM _____
 139. PLANETARY MODERN CONTEMPORARY CONTEMPORARY FILM _____
 140. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY FILM _____
 141. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY THEATRE _____
 142. PLANETARY MODERN CONTEMPORARY CONTEMPORARY THEATRE _____
 143. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY THEATRE _____
 144. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY DANCE _____
 145. PLANETARY MODERN CONTEMPORARY CONTEMPORARY DANCE _____
 146. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY DANCE _____
 147. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY VISUAL ARTS _____
 148. PLANETARY MODERN CONTEMPORARY CONTEMPORARY VISUAL ARTS _____
 149. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY VISUAL ARTS _____
 150. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY AUDIO ARTS _____
 151. PLANETARY MODERN CONTEMPORARY CONTEMPORARY AUDIO ARTS _____
 152. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY AUDIO ARTS _____
 153. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY VIDEO ARTS _____
 154. PLANETARY MODERN CONTEMPORARY CONTEMPORARY VIDEO ARTS _____
 155. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY VIDEO ARTS _____
 156. PLANETARY CONTEMPORARY CONTEMPORARY CONTEMPORARY DIGITAL ARTS _____
 157. PLANETARY MODERN CONTEMPORARY CONTEMPORARY DIGITAL ARTS _____
 158. PLANETARY POSTMODERN CONTEMPORARY CONTEMPORARY DIGITAL ARTS

The following table shows the results of the regression analysis for the dependent variable "Number of children in the household" (N = 1,000). The independent variables are "Age of the head of household" and "Gender of the head of household". The results are presented in the following table:

[illegible]

— 1988 —

[illegible]

DEPARTMENT OF THE ARMY

[illegible]

Conquest, and to describe the life of which the literature is a reflection. Typical selections from Old English poems are read in translation. *Once a week.*]

Course V. is elective for Sophomores. It is omitted the present year.

[*VI. MIDDLE ENGLISH. A course mainly in Chaucer and typical fourteenth century poetry. The pieces read in class are discussed in lectures treating the period from the point of view of comparative literature. For this course, as at present arranged, no knowledge of Anglo-Saxon is required. *Twice a week.*]

Course VI. is elective for Juniors, with the permission of the instructor. It is omitted the present year.

VII. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's *Idylls of the King*, Swinburne's *Tale of Balen*, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. *Tu., Th., at 9.* 29 F. H. (VIII.)

Course VII. is elective for Juniors.

VIII. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course, which is of a popular, untechnical character, is to show in lectures and class discussions how English words have been made, how they have changed their sound, their forms, and their meanings, how and when foreign words have been borrowed, and, in particular, how American English differs from that of England. For this course Anglo-Saxon is not required as a prerequisite, though it is recommended to all students of English, and particularly to students of the English language. The principal collateral work is based upon Greenough and Kittredge's *Words and Their Ways in English Speech*, and Skeat's *Concise Etymological Dictionary*. *Mon., Wed., at 12.* 29 F. H. (V.)

Course VIII. is elective for Juniors

HISTORY.

PROFESSOR DUTCHER.

I. ENGLISH HISTORY. From the earliest times to the present day. Gardiner's *Student's History of England*, Adams and Stephens's *Select Documents of English Constitutional History*. Lectures and assigned work. *Tu., Th., at 8.* 11 F. H. (VII.)

Course I. is elective for Sophomores. Those intending to elect the later courses in history should elect Course I. in the Sophomore year.

II. AMERICAN COLONIAL HISTORY, 1492-1789. Thwaites's *The Colonies*, Hart's *Formation of the Union*, MacDonald's *Select Charters*. Lectures and assigned work. *Tu., Th., Fri., at 12.* 11 F. H. (XI.)

Course II. is elective for those who have taken Course I. in history or Course I. in economics.

[III. UNITED STATES HISTORY, 1789-1865. Hart's *Formation of the Union*, Wilson's *Division and Reunion*, MacDonald's *Select Documents of United States History*. Lectures and assigned work. *Three times a week.*]

Course III. is elective for those who have taken Course I. in history, or Course I. in economics. Courses II. and III. are given in alternate years, Course III. being omitted the present year.

[IV. EUROPEAN HISTORY, 300-1600. Hassall's *Periods of European History*, vols. 1-4. Lectures and assigned work. *Three times a week.*]

Course IV. is elective for those who have taken Course I. It is omitted the present year.

V. EUROPEAN HISTORY, 1600-1890. Stephens's *Syllabus of Modern European History*; Hassall's *Periods of European History*, vols. 5-8. Lectures and assigned work. *Mon., Wed., Fri., at 8.* 11 F. H. (I.)

Course V. is elective for those who have taken Course I. Courses IV. and V. are given in alternate years, Course IV. being omitted the present year.

*VI. HISTORICAL SEMINARY. Subject for the current year: Discussions of historical method, with special application to the study of select topics from the history of the United States from 1849 to 1861. *Tu., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VI. is elective, with the permission of the instructor, for Seniors who have taken Course I., either Course II. or Course III., and either Course IV. or Course V.

Roi des Montagnes. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., Wed., Fri., at 8*; SECTION 2, *Mon., Wed., Fri., at 3*. 14 F. H. MR. SUPER. (VI.)

For rules in regard to the election of I. French, see page 46.

II. ADVANCED FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight reading in class, and for each half-year collateral reading is given to be prepared by the student himself for examination. On Fridays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. *Mon., Wed., Fri., at 11*. 39 F. H. PROFESSOR KUHN. (IV.)

Course II. is elective for those who have taken Course I.

*III. FRENCH COMPOSITION AND CONVERSATION. The object of this course is to give practice in writing, speaking, and hearing French. There is a large amount of composition, interesting stories are read and discussed, and lectures are given in French on the modern French novel. During the year several informal lectures on travel in Europe are given in French by Professor Kuhns. These lectures are illustrated by lantern-slides. *Mon., Wed., at 2*. 12 F. H. MR. SUPER.

Course III. is elective, with the permission of the instructor, for those who have taken, or are taking, Course II.

*IV. MODERN FRENCH LITERATURE. Selections from the more important authors of the seventeenth, eighteenth and nineteenth centuries. There is at each recitation translation of English into French. Further, frequent lectures are given on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. In addition, each member of the class must take a somewhat extended course of reading, and must prepare a thesis, at the end of each half-year, on the life and works of some author to be selected by the student. *Tu., Th., at 10*. 39 F. H. PROFESSOR KUHN. (IX.)

Course IV. is elective, with the permission of the instructor, for those who have taken, or are taking, Course III.

V. OLD FRENCH. The work for the current year consists in the translation of Old French texts, and the study of Old French literature, with special reference to its influence on the literatures of the

other nations of Western Europe. Lectures, collateral readings and reports form part of the work. *Tu., Th., at 9.* 35 F. H. PROFESSOR KUHNS. (VIII.)

Course V. is elective for those who have taken Courses I.-IV.

* VI. FRENCH SEMINARY. This course is especially designed to meet the needs of those who intend to teach French. It includes the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. *Mon., at 3.* 35 F. H. PROFESSOR KUHNS. (VI.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

VII. ELEMENTARY ITALIAN. Italian Principia, I. De Amicis, —Cuore; Pellico, —Le Mie Prigioni; Manzoni, —I Promessi Sposi. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the *Inferno* and the *Purgatorio* of Dante, the last half-hour of each recitation being devoted to this exercise. As a preparation for this part of the work, the class is required to read Dinsmore's *Aids to the Study of Dante*. *Mon., Wed., at 8.* 39 F. H. PROFESSOR KUHNS. (I.)

Course VII. is elective for Sophomores who have taken I. French.

[VIII. ADVANCED ITALIAN. Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Twice a week.* PROFESSOR KUHNS.]

Course VIII. is elective for those who have taken Course VII. It is omitted the present year.

IX. DANTE IN ENGLISH. The *New Life* and the *Divine Comedy* are read in English translations. The instructor interprets these books in the light of the history, science, theology and philosophy of the Middle Ages, compares Dante with Homer, Shakespeare, and other world-poets, and shows his influence on modern thought, art and literature. *Fri., at 8.* 39 F. H. PROFESSOR KUHNS. (I.)

Course IX. is elective for Juniors.

[X. ELEMENTARY SPANISH. Grammar, and reading of simple Spanish prose. *Twice a week.* MR. SUPER.]

Course X. is elective for Sophomores who have taken I. French. It is omitted the present year.

[XI. ADVANCED SPANISH. The chief emphasis in this course will be laid on the *Don Quijote* of Cervantes. *Twice a week.* MR. SUPER.]

Course XI. is elective for those who have taken Course X. It is omitted the present year.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

Of the courses in French and German, Classical Freshmen are required to pursue either I. French or I. German, but are allowed their option between the two. Students in the Latin-Scientific Course are examined at entrance in the equivalent of either I. French or I. German, as they may elect, and in the Freshman year are required to pursue one course in French or German. They may continue the study of the language in which their entrance examination was taken, or may begin the study of the other language, as they may elect. Students in the Scientific Course are required to complete the equivalent of Courses I. and II. in French and I. and II. in German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as possible after entering.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

1. GENERAL INTRODUCTION TO ENGLISH LITERATURE. I. An outline of the history of the literature. Newcomer's *History of English Literature*, with lectures. *First half-year.*

2. Class-room reading and discussion of literary masterpieces, illustrative of different varieties and periods of English literature. The works selected are: Chaucer's *Prologue to the Canterbury Tales*, and the *Nonne Preestes Tale*; Shakespeare's *Hamlet*; Milton's minor poems and *Samson Agonistes*. *Second half-year.*

3. A brief course of collateral reading, with written recitations and essays upon subjects drawn from the reading. Members of the class choose one of the courses in Winchester's *Five Short Courses of Reading in English Literature*. These courses consist of selections from the following authors:

(1) 1559-1674. Marlowe, Green, Shakespeare, Bacon, Milton.

(2) 1660-1745. Dryden, Addison, Steele, Swift; with Johnson's *Lives of Dryden, Swift, and Pope*, and Thackeray's *Lectures on the English Humourists*.

(3) 1745-1789. Gray, Goldsmith, Johnson, Burke, Cowper, Burns; with Leslie Stephen's *Life of Johnson*, Dobson's *Life of Goldsmith*, Morley's *Life of Burke*.

(4) 1789-1832. Wordsworth, Coleridge, De Quincey, Lamb, Byron, Shelley, Keats.

(5) 1832-1880. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson.

This work is tested by a series of written recitations and theses during the year. *Mon., Wed., at 12.* 14 F. H. (V.)

Course I. is elective for Sophomores.

II. SIX REPRESENTATIVE PLAYS OF SHAKESPEARE. A *Midsummer Night's Dream*, *Henry IV.*, *As You Like It*, *Othello*, *Antony and Cleopatra*, *The Winter's Tale*. Sidney Lee's *Life and Works of Shakespeare*. *Mon., Wed., Fri., at 9.* 14 F. H. (II.)

[III. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Arnold, Tennyson, Browning. *Three times a week.*]

[IV. ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Three times a week.*]

Courses II., III., and IV. are elective for those who have completed Course I. Courses III. and IV. are omitted the present year.

V. NEW ENGLAND LITERATURE, 1835-1885. Emerson, Longfellow, Lowell, Hawthorne, Whittier, Holmes. *Mon., Wed., at 11.* 23 F. H. (IV.)

[VI. LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Bolingbroke, Pope. *Twice a week.*]

[VII. ESSAYISTS AND REVIEWERS OF THE EARLY NINETEENTH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Wilson, Hunt. *Twice a week.*]

Courses V., VI., and VII. are elective, with some restrictions, for those who have taken Course I., either Course II., Course III., or Course IV., and Course VIII. Courses VI. and VII. are omitted the present year.

VIII. ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's Principles of Literary Criticism is used as a text-book. *Fri., at 11.* 29 F. H. (IV.)

Course VIII. is elective for those who have taken Course I.

IX. DEBATE. Weekly practical exercises. Two members of the class are appointed to conduct the debate at each exercise. They must prepare written briefs of their argument, which are revised and corrected by the instructor, and are then publicly posted four days before the debate. *Mon., at 10.* 29 F. H.

Course IX. is elective for Seniors, and those who elect it are excused from half the rhetorical work required in Course X.

X. ENGLISH COMPOSITION. The rhetorical exercises of the Senior class are assigned to this department. Every Senior (unless excused from half this requirement by the provisions of Course IX.) must write either four essays or two orations. All written work receives the personal criticism of the instructor.

The rhetorical exercises of the Senior year are rated as the equivalent of three hours work per week for the year; these hours are required in addition to the minimum quota (14) prescribed for Seniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD.

I. RHETORIC. Baldwin's College Manual of Rhetoric, Mead's Composition and Rhetoric. For supplementary reading, Wendell's English Composition is recommended. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also at hours appointed by the instructor. SECTION 1, *Mon., at 8*; SECTION 2, *Tu., at 8*; SECTION 3, *Wed., at 8 (counting as two hours a week).* 29 F. H. (I.)

Course I. is required of Freshmen.

II. ENGLISH COMPOSITION. A. Sophomores are required to write six essays during the year on subjects approved by the instructor.

B. Juniors write on subjects of their own selection, and choose one of the two following courses: Course I., consisting of five general and two departmental essays; Course II., consisting of two general and four departmental essays. The departmental essays must be written on subjects related to some department of college work and approved by the instructor in English.

Appointments for personal criticism are made for Sophomores and Juniors.

The essays of Sophomore and Junior years are rated as the equivalent each of two hours' work per week for the year; these hours are required in addition to the minimum quota (14) prescribed for these two years.

III.¹ OLD ENGLISH (Anglo-Saxon). This course is of fundamental importance as an introduction to the study of the English language and Early English literature. The principal reading is based upon Bright's edition of *The Gospel of St. John in West Saxon*. The grammar is drawn from Cook's *First Book in Old English*, with copious illustrations and explanations based upon the texts read. A lecture once a week explains in detail the relations of the Old English language to modern English. *Tu., Th., Fri., at 12 (first half-year)*. 29 F. H. (XI.)

Course III. is elective for Sophomores.

IV.² OLD ENGLISH. Bright's *Anglo-Saxon Reader*, with additional readings in prose or poetry, as the class may elect. In this course reading at sight is especially encouraged. The lectures of Course III. are continued, with the addition of an account of the history of the literature read in class. *Tu., Th., Fri., at 12 (second half-year)*. 29 F. H. (XI.)

Course IV. is elective for those who have taken Course III.

[V. OLD ENGLISH LITERATURE. Brooke's *History of English Literature from the Beginning to the Norman Conquest*, with lectures on the history of Old English literature before 1100 A. D., and some account of contemporary Germanic literature. One aim of this course is to give to students whose work lies mainly in modern literature a survey of Old English prose and poetry before the Norman

Conquest, and to describe the life of which the literature is a reflection. Typical selections from Old English poems are read in translation. *Once a week.*]

Course V. is elective for Sophomores. It is omitted the present year.

[*VI. MIDDLE ENGLISH. A course mainly in Chaucer and typical fourteenth century poetry. The pieces read in class are discussed in lectures treating the period from the point of view of comparative literature. For this course, as at present arranged, no knowledge of Anglo-Saxon is required. *Twice a week.*]

Course VI. is elective for Juniors, with the permission of the instructor. It is omitted the present year.

VII. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's *Idylls of the King*, Swinburne's *Tale of Balen*, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. *Tu., Th., at 9. 29 F. H.* (VIII.)

Course VII. is elective for Juniors.

VIII. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course, which is of a popular, untechnical character, is to show in lectures and class discussions how English words have been made, how they have changed their sound, their forms, and their meanings, how and when foreign words have been borrowed, and, in particular, how American English differs from that of England. For this course Anglo-Saxon is not required as a prerequisite, though it is recommended to all students of English, and particularly to students of the English language. The principal collateral work is based upon Greenough and Kittredge's *Words and Their Ways in English Speech*, and Skeat's *Concise Etymological Dictionary*. *Mon., Wed., at 12. 29 F. H.* (V.)

Course VIII. is elective for Juniors

HISTORY.

PROFESSOR DUTCHER.

I. ENGLISH HISTORY. From the earliest times to the present day. Gardiner's *Student's History of England*, Adams and Stephens's *Select Documents of English Constitutional History*. Lectures and assigned work. *Tu., Th., at 8. 11 F. H.* (VII.)

Course I. is elective for Sophomores. Those intending to elect the later courses in history should elect Course I. in the Sophomore year.

II. AMERICAN COLONIAL HISTORY, 1492-1789. Thwaites's *The Colonies*, Hart's *Formation of the Union*, MacDonald's *Select Charters*. Lectures and assigned work. *Tu., Th., Fri., at 12.* 11 F. H. (XI.)

Course II. is elective for those who have taken Course I. in history or Course I. in economics.

[III. UNITED STATES HISTORY, 1789-1865. Hart's *Formation of the Union*, Wilson's *Division and Reunion*, MacDonald's *Select Documents of United States History*. Lectures and assigned work. *Three times a week.*]

Course III. is elective for those who have taken Course I. in history, or Course I. in economics. Courses II. and III. are given in alternate years, Course III. being omitted the present year.

[IV. EUROPEAN HISTORY, 300-1600. Hassall's *Periods of European History*, vols. 1-4. Lectures and assigned work. *Three times a week.*]

Course IV. is elective for those who have taken Course I. It is omitted the present year.

V. EUROPEAN HISTORY, 1600-1890. Stephens's *Syllabus of Modern European History*; Hassall's *Periods of European History*, vols. 5-8. Lectures and assigned work. *Mon., Wed., Fri., at 8.* 11 F. H. (I.)

Course V. is elective for those who have taken Course I. Courses IV. and V. are given in alternate years, Course IV. being omitted the present year.

*VI. HISTORICAL SEMINARY. Subject for the current year: Discussions of historical method, with special application to the study of select topics from the history of the United States from 1849 to 1861. *Tu., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VI. is elective, with the permission of the instructor, for Seniors who have taken Course I., either Course II. or Course III., and either Course IV. or Course V.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Recitations and discussions. *Tu., Th., at 9.* 15 F. H. (VIII.)

Course I. is required in the Junior or Senior year; with the permission of the instructor, it may be taken by Sophomores.

[II. ADVANCED ECONOMICS. This course includes a brief historical view, on the basis of Ingram's History of Political Economy, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Twice a week.*]

Course II. is elective for those who have taken Course I. It is omitted the present year.

III. PUBLIC FINANCE. The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Mon., Wed., at 9.* 12 F. H. (II.)

Course III. is elective for those who have taken Course I.

IV. 1. MONEY AND BANKING. A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the various schemes for reform. 2. THE TRUST PROBLEM. A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 3. THE TARIFF. A study of the theory of protective customs duties and of the history of tariffs in America. *Tu., Th., at 11.* 12 F. H. (X.)

Course IV. is elective for those who have taken Course I.

[V. THE GENERAL LABOR PROBLEM. A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations, strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Twice a week.*]

Course V. is elective for those who have taken Course I. It is given in alternate years with Course IV., and is omitted the present year.

[VI. SOCIOLOGY. A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Twice a week.*]

Course VI. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VII., and is omitted the present year.

VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Mon., Wed., at 12. 12 F. H.* (V.)

Course VII. is elective for those who have taken, or are taking, Course I.

* VIII. ECONOMIC SEMINARY. Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. For the current year the topics are related to the early commercial history of the country. *Wed., 7-10 p. m. (first and second terms), counting as two hours for the year. 10 F. H.*

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV., must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is open also to such undergraduates as are making special studies in the department. Courses II.-VII., while intended primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

PHILOSOPHY.

PROFESSORS ARMSTRONG AND DODGE.

I.² LOGIC. Jevons-Hill's Elements of Logic. An elementary course in the fundamental forms of reasoned thinking, deductive and inductive alike. The study of the text-book is illustrated by numerous examples in logical praxis. SECTION I, *Tu., Th., at 8*; SECTION 2, *Tu., Th., at 10 (second half-year)*. 28 F. H. PROFESSOR DODGE. (IX.)

Course I. is required of Sophomores.

II.¹ PSYCHOLOGY. Sully's Outlines of Psychology, with references to other authorities. Lectures and discussions are used to supplement the text-book. These are introduced especially in explanation of the more recent psychological investigations and of positions still under debate. *Mon., Wed., Fri., at 10 (first half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course II. is required of Juniors.

III. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY. Ladd's Outlines of Physiological Psychology. The course begins with a discussion of the physical basis of mind, but more than half of the time is devoted to the study of the chief experimental methods and results. Lectures and experimental demonstrations supplement the study of the text-book. *Mon., Wed., at 3*. 22 F. H. PROFESSOR DODGE. (VI.)

Course III. is elective for Juniors.

IV.¹ ADVANCED LOGIC. Hibben's Inductive Logic. Lectures and recitations. A systematic discussion of the origin, the forms, and the limitation of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and

scientific evidence are analyzed and the practical limits of proof are discussed. *Tu., Th., at 11 (first half-year)*. 24 F. H. PROFESSOR DODGE. (X.)

Course IV. is elective for Juniors.

V.² INTRODUCTION TO PHILOSOPHY. Lectures and recitations, with references to the Introductions of Stuckenberg, Ladd, Külpe, and Paulsen. The course is planned to meet the needs of students who seek general instruction in the encyclopedia and the outlines of philosophy, as well as of students who intend to specialize in the department. *Tu., Th., at 11 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (X.)

Course V. is elective for Juniors.

VI.² ANCIENT AND MEDIAEVAL PHILOSOPHY. Zeller's Outlines of Greek Philosophy, with references to Schwegler, Zeller's larger work, and other authorities; lectures and discussions. *Wed., Fri., at 10 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course VI. is elective for Juniors.

VII.¹ MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other standard histories of philosophy. *Tu., Th., at 3 (first half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (XII.)

Course VII. is elective, under ordinary circumstances, for those who have taken Course VI.

VIII.² MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other authorities. *Tu., Th., at 3 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (XII.)

Course VIII. is elective for those who have taken Course VII.

IX. ADVANCED PSYCHOLOGY. Lectures and readings on the emotions and the will. The course naturally falls into two parts: Part I. A systematic general account of the emotions and the will. Part II. A more detailed account of special phenomena, including anger, fear, the tender emotions, sympathy, the aesthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Mon., at 10*. 22 F. H. PROFESSOR DODGE. (III.)

Course IX. is elective for those who have taken Course II.

* X. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. The subjects of investigation for the current year are taken mainly from the psychology of reading. *Fri., 2-4, counting as one hour for the year.* 20 F. H. PROFESSOR DODGE.

Course X. is elective, with the permission of the instructor, for those who have taken Courses II. and III.

XI.¹ READINGS IN MODERN PHILOSOPHY. In this course representative works of leading thinkers of the first half of the modern period are read and discussed. Special attention is given to selections from the works of Descartes, Locke, Berkeley, and Hume. *Mon., Wed., Fri., at 11 (first half-year).* 24 F. H. PROFESSOR ARMSTRONG. (IV.)

Course XI. is elective for those who are taking Course VII.

XII.² METAPHYSICS. Selections from Kant's works and Lotze's Metaphysics. Class readings and discussions. Topical reports and theses may also be required. *Mon., Wed., at 11 (second half-year).* 24 F. H. PROFESSOR ARMSTRONG. (IV.)

Course XII. is elective for those who are taking Course VIII.

XIII. PHILOSOPHICAL SEMINARY. The subject for the current year is the Faith Philosophy from the close of the eighteenth century to the present time. In the second half-year special attention is given to contemporary Humanism and Pragmatism. *Wed., 8-10 p. m.* 24 F. H. PROFESSOR ARMSTRONG.

Course XIII. is elective for graduate students.

GRADUATE INSTRUCTION.

Courses IX.-XII. are intended for advanced undergraduates and graduates. Course XIII. is open to graduates only. Special courses for graduate students, under the direction of the instructors of the department, may be arranged in advanced experimental and analytical psychology, in historical philosophy and systematic philosophy.

ETHICS AND RELIGION.

PRESIDENT RAYMOND; PROFESSORS RICE AND DODGE.

I.¹ ETHICS. A course of lectures and recitations on theoretical and practical ethics. The course is introduced with a brief historical survey of ethical theory, and the lectures are supplemented by theses and collateral reading. Seth's Study of Ethical Principles is used as a text-book. *Wed., Fri., at 10 (first half-year).* 15 F. H. PROFESSOR DODGE. (III.)

Course I. is required of Seniors.

II.² EVIDENCES OF CHRISTIANITY. Recitations and lectures, Fisher's Grounds of Theistic and Christian Belief being used as a text-book. *Wed., Fri., at 10 (second half-year).* 15 F. H. PRESIDENT RAYMOND. (III.)

Course II. is required of Seniors.

*III.² THEISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year), the hours to be determined hereafter.* PRESIDENT RAYMOND.

Course III. is elective, with the permission of the instructor, for those who have taken Courses I., II., V., and VII. in philosophy.

IV.² RELATIONS OF SCIENCE AND RELIGION. Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the theory of evolution, and the correlation of physical and vital forces, are among the topics discussed. Rice's Christian Faith in an Age of Science is used as a text-book. *Tu., Th., at 10 (second half-year).* PROFESSOR RICE. (IX.)

Course IV. is elective for Juniors.

MATHEMATICS AND ASTRONOMY.

PROFESSOR (*Emeritus*) J. M. VAN VLECK; † PROFESSOR E. B. VAN VLECK; DR. STEPHENS; MR. HOWLAND.

I. SOLID GEOMETRY. Phillips and Fisher's Elements of Geometry. *First third of the year.*

† Absent for the year.

PLANE TRIGONOMETRY. *Second third of the year.*

ANALYTICAL GEOMETRY. *Last third of the year.* SECTION 1, *Mon., Tu., Th., Fri., at 9;* SECTION 3, *Mon., Tu., Th., Fri., at 12.* DR. STEPHENS. SECTION 2, *Mon., Tu., Th., Fri., at 10.* MR. HOWLAND. 26 O. H. (V.)

Course I. is required of Classical Freshmen, and of Latin-Scientific and Scientific Freshmen who did not pass in the advanced requirements in mathematics on admission to college.

II. ALGEBRA. Advanced course. *Mon., Wed., at 11.* 25 O. H. MR. HOWLAND. (IV.)

Course II. is elective for those who have taken Course I.

[III. TRIGONOMETRY. Advanced course, with applications to problems in surveying and astronomy. *Twice a week.*]

Course III. is elective for those who have taken Course I. It is omitted the present year.

IV. ANALYTICAL GEOMETRY. Advanced course, preceded by an introduction to the theory of determinants. *Tu., Th., at 11.* 23 O. H. DR. STEPHENS. (X.)

Course IV. is elective for those who have taken Course I.

V. DIFFERENTIAL AND INTEGRAL CALCULUS. Elementary course. *Tu., Th., Fri., at 12.* 25 O. H. MR. HOWLAND. (XI.)

Course V. is elective for those who have taken Course I.

Courses II., IV., and V. are necessary for those who purpose to pursue advanced courses in pure mathematics; Course V. for those intending to pursue advanced courses in physics and other branches of applied mathematics.

[VI. DIFFERENTIAL EQUATIONS, based on Murray's *Treatise on Differential Equations.* *Twice a week.* PROFESSOR E. B. VAN VLECK.]

Course VI. is elective for those who have taken Course V. It is omitted the present year.

[VII. ANALYTICAL GEOMETRY OF THREE DIMENSIONS, including a study of mathematical models. *Twice a week.* PROFESSOR E. B. VAN VLECK.]

Course VII. is elective for those who have taken Course IV., and who have taken, or are taking, Course V. It is omitted the present year.

VIII. PROJECTIVE GEOMETRY. *Wed., Fri., at 8.* 23 O. H. DR. STEPHENS. (I.)

Course VIII. is elective for those who have taken Course V.

[IX. CALCULUS. Second course, with a special study of the theory of integrals. *Twice a week.* PROFESSOR E. B. VAN VLECK.]

Course IX. is elective for those who have taken Course V. It is omitted the present year.

[X. THEORY OF FUNCTIONS. Elementary course. *Twice a week.* PROFESSOR E. B. VAN VLECK.]

Course X. is elective for those who have taken Course V. It is omitted the present year.

XI. THEORETICAL MECHANICS. *Tu., Th., at 8.* 25 O. H. MR. HOWLAND. (VII.)

Course XI. is elective for those who have taken Course V.

[XII. DESCRIPTIVE ASTRONOMY. This course is designed to give a general knowledge of the fundamental facts and principles of astronomy, such a knowledge as may properly constitute a part of a general liberal education. *Twice a week.* PROFESSOR J. M. VAN VLECK.]

Course XII. is elective for those who have taken Course I., and is required of Scientific Sophomores. It is omitted the present year.

[XIII. SPHERICAL AND PRACTICAL ASTRONOMY, with exercises in the observatory. *Twice a week.* PROFESSOR J. M. VAN VLECK.]

Course XIII. is elective for those who have taken Course V. It is omitted the present year.

PHYSICS.

PROFESSOR CRAWFORD; ASSOCIATE PROFESSOR CADY.

I. ELEMENTARY PHYSICS. A general course, covering the most fundamental laws, and presenting typical phenomena, in the departments of mechanics, sound, light, and heat. Ames's Theory of Physics, with lectures. *Mon., Fri., at 10 (first half-year).* *Mon., Wed., Fri., at 10 (second half-year).* 34 S. L. PROFESSOR CRAWFORD. (III.)

Course I. is required of Classical Sophomores, and of Latin-Scientific Sophomores and Scientific Freshmen who did not pass in physics on admission to college.

II. ELECTRICITY AND MAGNETISM. Text-book and lectures, together with some experimental work in the laboratory. *Tu., Th., at 11.* 34 S. L. PROFESSOR CADY. (X.)

Course II. is elective for those who have taken, or are taking, Course I., and who have also studied trigonometry.

III. PRACTICAL PHYSICS. An elementary laboratory course parallel with Course I. This course is intended for those who purpose to teach physics, and also as an introductory course for those who expect to take further laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CRAWFORD.

Course III. is elective for those who have taken, or are taking, Course I.

IV. ELECTRICAL MEASUREMENTS. Experimental work in electricity, supplemented by occasional lectures. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course IV. is elective for those who have taken Course II.

Courses III. and IV. are parallel. With the consent of the instructors, a student may take a half-year of each.

V¹. SOUND. Poynting and Thomson's Sound, with lectures, collateral readings, and laboratory practice. *Mon., Wed., at 12 and also a period of two hours each week in the laboratory (first half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course V. is elective for those who have taken Course I. in physics and Course I. in mathematics.

VI². HEAT. A general elementary treatment of the subject. Text-book and lectures, with laboratory practice. *Mon., Wed., at 12 and also a period of two hours each week in the laboratory (second half-year).* 40 S. L. PROFESSOR CRAWFORD. (V.)

Course VI. is elective for those who have taken Course I. in physics and Course I. in mathematics.

[VII.¹ THERMO-DYNAMICS. A continuation of Course VI., with special application to the steam engine. *Three times a week (first half-year)*. PROFESSOR CRAWFORD.]

Course VII. is elective for those who have taken Course I. in physics, and who have taken, or are taking, Course V. in mathematics. It is omitted the present year.

VIII. APPLICATIONS OF ELECTRICITY. Text-book and lectures. First half-year, direct-current dynamos and motors, electric lighting, storage batteries, the telephone, telegraph, etc. Second half-year, theory of alternating currents, with a study of the chief types of alternating-current machinery. *Mon., Wed., Fri., at 11.* 34 S. L. PROFESSOR CADY. (IV.)

Course VIII. is elective for those who have taken Course II. in physics, and who have taken, or are taking, Course V. in mathematics.

[IX.² LIGHT. Text-book and lectures, with some laboratory practice. *Three times a week (second half-year)*. PROFESSOR CRAWFORD.]

Course IX. is elective for those who have taken Course I. in physics, and who have taken, or are taking, Course V. in mathematics. It is omitted the present year.

X. PRACTICAL PHYSICS. A continuation of Course III., consisting of exact measurements in mechanics, heat, sound, and light. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week)*. S. L. PROFESSOR CRAWFORD.

Course X. is elective for those who have taken Course III.

XI. EXPERIMENTAL ELECTRICITY. A continuation of Course IV. The study and testing of dynamos, motors, and other electrical apparatus forms a large part of the work. Opportunity is afforded for some shop-work and for practical experience in running an engine and dynamo. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week)*. S. L. PROFESSOR CADY.

Course XI. is elective for those who have taken Course IV., and who have taken, or are taking, Course VIII.

XII. THEORETICAL ELECTRICITY. This course is based on J. J. Thomson's Mathematical Theory of Electricity and Magnetism. *Wed., Fri., at 9.* S. L. PROFESSOR CADY. (II.)

Course XII. is elective for those who have taken Course II. in physics and who have taken, or are taking, Course V. in mathematics.

XIII. ADVANCED EXPERIMENTAL ELECTRICITY. Precise electrical measurements, experimental study of alternating currents, and other selected problems in electricity and magnetism. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XIII. is elective for those who have taken Course IV., and who have taken, or are taking, either Course VIII. or Course XII.

[XIV. ERRORS OF OBSERVATION AND THE METHOD OF LEAST SQUARES, as applied in the solution of physical problems. *Once a week.* S. L. PROFESSOR CADY.]

Course XIV. is elective for those who have taken Course II. in physics and Course V. in mathematics. It is omitted the present year.

XV. JOURNAL MEETING. The instructors of the department meet the graduate students and advanced undergraduates for the purpose of reporting and discussing articles from the current journals of general physics and electricity. *Once a week.* 40 S. L. PROFESSORS CRAWFORD and CADY.

CHEMISTRY.

PROFESSORS ATWATER, BRADLEY, AND BENEDICT.

I.¹ ELEMENTARY CHEMISTRY. This course is devoted to the elementary principles of the science. Each student performs a considerable number of experiments in the laboratory. *Tu., Wed., Th., at 10 (first half-year).* 3 J. H. PROFESSOR BRADLEY. (IX.)

Course I. is required of Classical Sophomores, and of Latin-Scientific Sophomores and Scientific Freshmen who did not pass in chemistry on admission to college.

II.² GENERAL CHEMISTRY. Lectures and recitations on general chemistry, with special reference to the chemistry of the metals. It is supplementary to Course I. *Tu., Th., at 10 (second half-year).* 3 J. H. PROFESSOR BENEDICT. (IX.)

Course II. is elective for those who have taken Course I.

III. QUALITATIVE ANALYSIS. A laboratory course in basic, acid, and blow-pipe analysis. Lectures are given on the chemical problems involved in the detection of the more common metals. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (three exercises a week)*. CHEM. LAB. PROFESSOR BRADLEY.

Course III. is elective for those who have taken Courses I. and II.

* IV. PRINCIPLES OF GENERAL AND ANALYTICAL CHEMISTRY. A laboratory course, involving a study of the properties and reactions of typical elements and compounds, based upon the periodic classification of the elements. Experimental demonstration of chemical laws and especially of the principles of analysis. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (three exercises a week)*. CHEM. LAB. PROFESSOR BENEDICT.

Course IV. is elective, with the permission of the instructor, for those who have taken Courses I. and II.

V.* LIQUEFACTION OF GASES. Lectures, with experimental demonstrations, upon the history and theory of the liquefaction of gases, and upon some of the more important results of research at low temperatures. *Tu., Th., at 8 (second half-year)*. 3 J. H. PROFESSOR BRADLEY. (VII.)

Course V. is elective for those who have taken Course I.

*VI. QUANTITATIVE ANALYSIS. Laboratory work in gravimetric and volumetric analysis with lectures and class discussions. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week)*. CHEM. LAB. PROFESSOR BENEDICT.

Course VI. is elective, with the permission of the instructor, for those who have taken Course II. and either Course III. or Course IV.

VII. ORGANIC CHEMISTRY. Lectures and recitations. The principles of organic chemistry as illustrated by the derivatives of methane and benzene. *Mon., Wed., Fri., at 8*. 3 J. H. PROFESSOR BRADLEY. (I.)

Course VII. is elective for those who have taken either Course III. or Course IV.

VIII.* PHYSIOLOGICAL CHEMISTRY. Lectures on biological chemistry with special reference to the chemistry of the food and nutrition of man. *Tu., Th., at 11 (first half-year)*. 3 J. H. PROFESSOR BENEDICT. (X.)

Course VIII. is elective for those who have taken Course II. It is desirable that those who elect it should also elect Course VII.

*IX. ORGANIC CHEMISTRY. A laboratory course devoted to the preparation of compounds of carbon. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week)*. CHEM. LAB. PROFESSOR BRADLEY.

Course IX. is elective, with the permission of the instructor, for those who have taken, or are taking, Course VII.

*X. PHYSIOLOGICAL CHEMISTRY. A laboratory course in the preparation of compounds and in methods of analysis of interest in physiological chemistry. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week)*. CHEM. LAB. PROFESSOR BENEDICT.

Course X. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VI., VII. and VIII.

Courses VIII. and X. are recommended to those who purpose to study medicine.

XI. THEORETICAL CHEMISTRY. Lectures upon the origin, development, and present status of the theory of the atom and molecule. *Mon., Fri., at 9. 3 J. H.* PROFESSOR BRADLEY. (II.)

Course XI. is elective for those who have taken either Course III. or Course IV.

*XII. CHEMICAL SEMINARY. Instruction and reading in biological chemistry. Members are required to prepare and formally deliver and defend papers on assigned topics. *Three times a week. 3 J. H.* PROFESSOR BENEDICT.

Course XII. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VII. and VIII.

GRADUATE INSTRUCTION.

Course XII., although elective for undergraduates, is designed chiefly for graduates.

In addition, the following courses are offered:

XIII. LOW TEMPERATURE INVESTIGATION. Inquiry into special problems connected with the attainment and utilization of extreme low temperatures. Facilities for this work are afforded by the liquid air plant. PROFESSOR BRADLEY.

XIV. BIOLOGICAL CHEMISTRY. Investigation of problems connected with the nutrition of man, conducted with the aid of the respiration calorimeter and accessory apparatus. PROFESSOR BENEDICT.

Courses XIII. and XIV. may also be taken by undergraduates who are candidates for special honors in chemistry at graduation.

GEOLOGY.

PROFESSOR RICE.

I.¹ PHYSICAL GEOGRAPHY. Recitations and lectures, with Tarr's Elementary Physical Geography as a text-book. *Tu., Th., at 3 (first half-year)*. 8 J. H. (XII.)

Course I. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen who did not pass in physical geography on admission to college.

II. GEOLOGY. Elementary course. A course of lectures, chiefly on dynamical and structural geology. Dana's Revised Text-book of Geology is recommended for reference. *Tu., Th., at 12*. 8 J. H. (XI.)

Course II. is elective for Classical and Latin-Scientific Juniors, and is required of Scientific Sophomores.

III.¹ GEOLOGY. Advanced course in structural and dynamical geology. Recitations and lectures, with Le Conte's Elements of Geology, and Dana's Revised Text-book of Geology, as text-books. Special topics, with references, assigned from time to time, on which members of the class present reports or lectures. Excursions on Saturdays during the fall. The phenomena observed in an excursion are discussed at the next meeting of the class, one of the members of the class often giving a report or lecture thereon. *Mon., Wed., Fri., at 12 (first half-year), counting as four hours a week*. 8 J. H. (V.)

Course III. is elective for those who have taken Course II. It is desirable, however, that those who take this course should also have taken the course in physical geography, and should take, or have taken, the course in mineralogy.

IV.² GEOLOGY. Historical geology and paleontology. Recitations and lectures, with same text-books as in Course III. Excursions on Saturdays during the spring term (required only of those who take

also Course III.). *Mon., Wed., Fri., at 12 (second half-year), counting as four hours a week for those who take also Course III.* 8 J. H. (V.)

Course IV. is elective for those who have taken Course II. It is *very desirable*, however, that those who take this course should also have taken the courses in zoölogy and botany.

[V.¹ MINERALOGY. Crystallography and optical mineralogy. Lectures and practical exercises. Dana's Text-book of Mineralogy is used for reference. *Three times a week (first half-year).*]

Course V. is elective for Classical and Latin-Scientific Juniors and Scientific Sophomores. It is omitted the present year.

[VI.² MINERALOGY. Determinative and descriptive mineralogy. Laboratory work in determinative mineralogy, lectures on descriptive mineralogy. Brush and Penfield's Manual of Determinative Mineralogy, and Dana's Text-book of Mineralogy, are used for reference. *Three times a week (second half-year).*]

Course VI. is elective for those who have taken Course V. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses III., IV., V., and VI., although intended primarily for undergraduates, have often been taken by graduate students.

Additional work is provided for graduate students. This may include courses of reading in various branches of geological science, field work, or laboratory work.

BIOLOGY.

PROFESSOR CONN; MR. BUDINGTON.

I.¹ GENERAL BIOLOGY. This course is devoted to the study of the simpler laws of life, and the relations of animals and plants. Practical study is made of the earthworm, the frog, and some common plants, which are used as illustrating the general structure and physiology of animals and plants. This course is largely laboratory work and is designed as an introduction to the study of botany, zoölogy, and physiology. *Wed., Fri., 2-4 (first half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and MR. BUDINGTON. (VI.)

Course I. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen.

II.² BOTANY. This course is a continuation of Course I., and consists of lectures and recitations, and of a large amount of practical work. It includes the study of physiological, morphological, structural, and microscopic botany. The course is chiefly devoted to the study of cryptogams, but this is followed by a short study of phenogams. The last four weeks are devoted to the analysis and description of flowers. *Wed., Fri., 2-4 (second half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and MR. BUDINGTON. (VI.)

Course II. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen who did not pass in botany on admission to college.

III. ZOOLOGY. Lectures and recitations. Typical examples, illustrating the various groups of the animal kingdom, are studied, attention being given to the general laws of development and the interrelationships of groups rather than to the systematic classification of species. The course includes the embryology of the various forms studied, as well as their adult anatomy, and in some groups paleontological evidence and general biological problems are discussed. The last term is devoted to the study of comparative anatomy and general zoological problems. *Mon., Wed., Fri., at 9.* 8 J. H. MR. BUDINGTON. (II.)

Course III. is elective for Classical Juniors and for Latin-Scientific and Scientific Sophomores.

IV. PHYSIOLOGY. The instruction is given chiefly by lectures, Martin's Human Body being used as a text-book. Enough anatomy is given to render the physiological discussions intelligible, and enough hygiene to guide to an intelligent care of the body. *Wed., Fri., at 8.* 8 J. H. PROFESSOR CONN and MR. BUDINGTON. (I.)

Course IV. is elective for Classical and Latin-Scientific Juniors, and is required of Scientific Sophomores.

*V. PRACTICAL BIOLOGY. The design of the courses in practical biology is to furnish opportunity for special biological work along such lines as may be best adapted to the future plans of the student. Those intending to study medicine devote their attention largely to the study of animals, including the dissection of some mammal. Those desiring a more general course make a brief examination of various groups of the animal and vegetable kingdom.

Those electing the study for more than one year, spend the first year in the study of biology in general, making a careful study of illustrative types of the different groups of the animal and vegetable kingdoms, such as amoeba, infusoria, hydra, earthworm, bacteria, yeast, mold, lichens, mosses, flowering plant, etc. The laboratory work is planned to illustrate, as far as possible, the principles of biology, comparative anatomy, and embryology. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and MR. BUDINGTON.

Course V. is elective, with the permission of the instructor, for Sophomores.

VI. PRACTICAL BIOLOGY. The second year in practical biology is devoted to the study of histology, bacteriology, embryology, and mammalian anatomy. During the second half-year each student may pursue some special work assigned by the instructor. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and MR. BUDINGTON.

Course VI. is elective for those who have taken Course V.

VII. PRACTICAL BIOLOGY. A course in laboratory work in continuation of Course VI. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and MR. BUDINGTON.

Course VII. is elective for those who have taken Course VI.

Courses V.-VII. are accompanied by lectures and recitations. The outline of the courses is somewhat variable and is determined according to the purposes and needs of each student.

[VIII.¹ EVOLUTION. A course of lectures and recitations, giving an outline of the general theory of evolution. Conn's *The Method of Evolution* is used as a text-book. *Twice a week (first half-year).* PROFESSOR CONN.]

Course VIII. is elective for Juniors.

IX.¹ BACTERIOLOGY. Conn's *Agricultural Bacteriology* is used as a text-book, and is supplemented by lectures on pathological bacteriology, special attention being given to sanitary problems. *Tu., Th., at 8 (first half-year).* 8 J. H. PROFESSOR CONN.

Course IX. is elective for Juniors. Courses VIII. and IX. are given in alternate years, Course VIII. being omitted the present year.

EXAMINATION GROUPS.



No student is allowed to take more than one course in any of these groups, with the exception of those (bracketed together) which are not given in the same half-year. The following courses are not assigned to any group, and they may be elected without limitation: IV. Latin; III., VIII. Greek; III. German; III. French; Debate; VI. History; VIII. Economics; X., XIII. Philosophy; Theism; III., IV., X., XI., XIII., XV. Physics; III., IV., VI., IX., X., XII., XIII., XIV. Chemistry; V., VI., VII. Biology.

I.—*M., W., F., at 8.*

IV. Greek.

I. German.

Italian, *M., W.**Dante in English, *F.*I. English Language, *M., T., W.*

V. History.

VIII. Mathematics, *W., F.*

VII. Chemistry.

Physiology, *W., F.*II.—*M., W., F., at 9.*I. Latin, *also Th.*{ XII. Latin, *M., W.*{ XIV. Latin, *M., W.*

II. English Literature.

III. Economics, *M., W.*XII. Physics, *W., F.*XI. Chemistry, *M., F.*

Zoölogy.

III.—*M., W., F., at 10.*I. Greek, *T., W., Th., F.*

{ Psychology.

{ VI. Philosophy, *W., F.*IX. Philosophy, *M.*{ Ethics, *W., F.*{ Evidences, *W., F.*

I. Physics.

IV.—*M., W., F., at 11.*

II. German.

VI. German, *W., F.*

II. French.

V. English Literature, *M., W.*† VIII. English Literature, *F.*

{ XI. Philosophy.

{ XII. Philosophy, *M., W.*VI. Mathematics, *M., W.*

VIII. Physics.

* May be elected with Italian.

† May be elected with V. English Literature.

V.—*M., W., F., at 12.*XI. Latin, *W., F.*I. English Literature, *M., W.*VIII. English Language, *M., W.*VII. Economics, *M., W.*I. Mathematics, *M., T., Th., F.*{ V. Physics, *M., W.*{ VI. Physics, *M., W.*

{ III. Geology.

{ IV. Geology.

VI.—*M., W., F., at 3.*VI. Greek, *M., W.*

I. French.

VI. French, *M.*III. Philosophy, *M., W.*{ General Biology, *W., F.*{ Botany, *W., F.***VII.—*T., Th., at 8.***

X. German.

I. History.

XI. Mathematics.

V. Chemistry.

Bacteriology.

VIII.—*T., Th., at 9.*

{ II. Latin.

{ III. Latin.

V. French.

VII. English Language.

I. Economics.

IX.—*T., Th., at 10.*

XVI. Latin.

IV. French.

Logic.

Science and Religion.

{ I. Chemistry, *also W.*

{ II. Chemistry.

X.—*T., Th., at 11.*

V. Latin.

II. Greek.

VIII. German.

IV. Economics.

{ IV. Philosophy.

{ V. Philosophy.

IV. Mathematics.

II. Physics.

VIII. Chemistry.

XI.—*T., Th., at 12.*

VII. Latin.

V. German, *also F.*{ III. English Language, *also F.*{ IV. English Language, *also F.*II. History, *also F.*V. Mathematics, *also F.*

II. Geology.

XII.—*T., Th., at 3.*

VII. German.

{ VII. Philosophy.

{ VIII. Philosophy.

Physical Geography.

SELECTION OF STUDIES.

The studies which are required of students in the respective classes and courses are indicated below. In addition to these, each student of the three upper classes is required to elect such a number of studies that his *average* number of recitations and lectures a week for the year, exclusive of rhetorical exercises, shall be not less than 14 nor more than 17. The minimum requirement for Freshmen is 15 recitations and lectures a week for the year, the maximum is 17. Elections must be made in accordance with the restrictions specified in the description of the respective courses in the foregoing statement of the courses of instruction. *No student is allowed to take more than one course in any examination group (see pages 69, 70), with the exception of those which are not given in the same half-year.*

SCHEDULE OF REQUIRED STUDIES.

N. B.—The numbers in italics indicate the average number of hours a week for the year.

CLASSICAL COURSE.

FRESHMEN:—I. Latin, 4; I. Greek, 4; I. Mathematics, 4; I. English Language, 2; I. German, or I. French, 3.

SOPHOMORES:—Logic, 1; I. Physics, 2½; I. Chemistry, 1½.

JUNIORS:—Psychology, 1½; I. Economics, 2. (I. Economics may be postponed to the Senior year, or may be taken, with the permission of the instructor, in the Sophomore year.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

LATIN-SCIENTIFIC COURSE.

FRESHMEN:—I. Latin, 4; I. Mathematics, 4; I. English Language, 2; Physical Geography, General Biology, and Botany, 3; I. or II. French, or I. or II. German, 3. (See page 46.)

SOPHOMORES:—Logic, 1; I. Physics, 2½; I. Chemistry, 1½.

For such part of the courses in science or modern languages above named as students may have passed in at entrance, they are allowed to substitute enough elective work to fill out the required quota of exercises a week.

JUNIORS:—Psychology, 1½; I. Economics, 2. (See requirements for classical course.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

SCIENTIFIC COURSE.

FRESHMEN:—Not less than fifteen hours a week of the following courses: I. Mathematics, 4; I. English Language, 2; I. German, 3, and II. French, 3, or II. German, 3, and I. French, 3 (see page 46); I. Physics, 2½; I. Chemistry, 1½; Physical Geography, General Biology, and Botany, 3.

For such of these studies as students may have passed in at entrance, they are allowed to substitute elective work.

SOPHOMORES:—II. German, 3, or II. French, 3 (see page 46); Logic, 1; Astronomy, 2; Geology, 2; Physiology, 2.

JUNIORS:—Psychology, 1½; I. Economics, 2. (See requirements for classical course.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

In addition to the courses indicated in the foregoing statement, exercises in English composition are required of Freshmen, Sophomores and Juniors, and exercises either in English composition or in public speaking of Seniors. (See pages 48 and 49.)

DAILY PROGRAM.



The order of lectures and recitations is set forth in the table given on pages 74 and 75. Roman numerals preceding the names of certain studies refer to the numbers of the courses as enumerated in the foregoing statement of courses of instruction. Arabic numerals, following the names of certain studies, indicate the sections into which the classes are divided.



DAILY PROGRAM, 1905-1906.

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.	IV. Greek. I. German, 1. I. French, 1. Italian I. English Language, 1. V. History. VII. Chemistry.	X. German (1st half). I. English Language, 2. I. History. Logic, 1 (2d half). XI. Mathematics. V. Chemistry (2d half). Bacteriology (1st half).	IV. Greek. I. German, 1. I. French, 1. Italian. I. English Language, 3. V. History. VIII. Mathematics. VII. Chemistry. Physiology.	X. German (1st half). I. History. Logic, 1 (2d half). XI. Mathematics. V. Chemistry (2d half). Bacteriology (1st half).	IV. Greek. I. German, 1. I. French, 1. Dante in English. V. History. VIII. Mathematics. VII. Chemistry. Physiology.
9.	I. Latin, 1. XII. Latin (1st half). XIV. Latin (2d half). I. French. VII. English Language. I. Economics. I. Mathematics. XI. Chemistry. Zoology.	II. Latin (1st half). III. Latin (2d half). V. Greek, 1. V. French. VII. English Language. I. Economics. I. Mathematics, 1.	I. Latin, 1. XII. Latin (1st half). XIV. Latin (2d half). I. Greek, 1. II. English Literature. III. Economics. XII. Physics. Zoology.	I. Latin, 1. II. Latin (1st half). III. Latin (2d half). I. Greek, 1. V. French. VII. English Language. I. Economics. I. Mathematics, 1.	I. Latin, 1. I. Greek, 1. II. English Literature. I. Mathematics, 1. XII. Physics. XI. Chemistry. Zoology.
10.	Debate. Psychology (1st half). IX. Philosophy. I. Mathematics, 2. I. Physics.	XVI. Latin. I. Greek, 2. IV. French. Logic, 2 (2d half). Science and Relig. (2d half). I. Mathematics, 2. I. Chemistry (1st half). II. Chemistry (2d half).	I. Greek, 2. Psychology (1st half). VI. Philosophy (2d half). Ethics (1st half). Evidences (2d half). I. Physics (2d half). I. Chemistry (1st half).	XVI. Latin. I. Greek. IV. French. Logic, 2 (2d half). Science and Relig. (2d half). I. Mathematics, 2. I. Chemistry (1st half). II. Chemistry (2d half).	I. Greek, 2. Psychology (1st half). VI. Philosophy (2d half). Ethics (1st half). Evidences (2d half). I. Mathematics, 2. I. Physics.
11.	I. Latin, 2. I. German. I. French. I. English Literature. XI. Philosophy (1st half). XII. Philosophy (2d half). II. Mathematics.	V. Latin. II. Greek. VII. German (2d half). IV. Economics. IV. Philosophy (1st half). V. Philosophy (2d half). IV. Mathematics.	I. Latin, 2. II. German. VI. German (1st half). II. French. VIII. German (2d half). IV. Economics. IV. Philosophy (1st half). XII. Philosophy (2d half).	I. Latin, 2 V. Latin. II. Greek. VIII. German (2d half). IV. Economics. IV. Philosophy (1st half). V. Philosophy (2d half).	I. Latin, 2. II. German. VI. German (1st half). II. French. VIII. English Literature. XI. Philosophy (1st half). VIII. Physics.

DAILY PROGRAM, 1905-1906. — (Continued.)

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
11. Con.	VIII. Physics.	II. Physics. VIII. Chemistry (1st half).	II. Mathematics. VIII. Physics.	IV. Mathematics. II. Physics. VIII. Chemistry (1st half).	
12.	I. Latin, 3. I. German, 2. I. English Literature. II. English Language. VII. Economics. V. Mathematics, 3. V. Physics (1st half). VI. Physics (2d half). III. Geology (1st half). IV. Geology (2d half).	VII. Latin. V. German. III. English Lang. (1st half). IV. English Lang. (2d half). II. History. I. Mathematics, 3. V. Mathematics. II. Geology.	I. Latin, 3. VI. Latin. I. German, 2. III. English Literature. VIII. English Language. VII. Economics. V. Physics (1st half). VI. Physics (2d half). III. Geology (1st half). IV. Geology (2d half).	I. Latin, 3. VI. Latin. V. German. III. English Lang. (1st half). IV. English Lang. (2d half). II. History. I. Mathematics, 3. V. Mathematics. II. Geology.	I. Latin, 3. VI. Latin. V. German. III. English Lang. (1st half). IV. English Lang. (2d half). II. History. I. Mathematics, 3. V. Mathematics. III. Geology (1st half). IV. Geology (2d half).
2.	III. French. III., IV., VI., IX., X. Chemistry. Istr.	III. German. III., V., X., XI., XIII. II. Physics. V., VI., VII. Biology.	III. French. III., IV., X., XI., XIII. II. Physics. III., IV., VI., IX., X. Chemistry. Istr. General Biology (1st half). Botany (2d half). V., VI., VII. Biology.	III. Greek. III., IV., X., XI., XIII. II. Physics. V., VI., VII. Biology.	X. Philosophy. III., IV., VI., IX., X., Chemistry. Istr. General Biology (1st half). Botany (2d half).
3.	VI. Greek (2d half). I. French, 2. VI. French. III. French. III., IV., VI., IX., X. Chemistry. Istr.	VII. German (2d half). VII. Philosophy (1st half). VIII. Philosophy (2d half). III., IV., X., XI., XIII. II. Physics. Physical Geog. (1st half). V., VI., VII. Biology.	VI. Greek (2d half). I. French, 2. III. Philosophy. III., IV., X., XI., XIII. II. Physics. III., IV., VI., IX., X. Chemistry. Istr. General Biology (1st half). Botany (2d half). V., VI., VII. Biology.	VII. German (2d half). VII. Philosophy (1st half). VIII. Philosophy (2d half). III., IV., X., XI., XIII. II. Physics. Physical Geog. (1st half). V., VI., VII. Biology.	IV. Latin. I. French, 2. X. Philosophy. III., IV., VI., IX., X. Chemistry. Istr. General Biology (1st half). Botany (2d half).

GENERAL REGULATIONS.*

REGISTRATION.

Every student is required to register at the office of the Secretary of the Faculty, and present to the Secretary a list of the studies which he proposes to take, at the beginning of the first term of each year. A fee of two dollars must be paid by each student who fails to register at the appointed day and hour.

QUOTA OF STUDIES.

For students of the three upper classes, the quota of regular studies is not less than fourteen hours nor more than seventeen hours of class-room work a week, exclusive of rhetorical exercises. The quota for Freshmen (see pages 71 and 72) varies from fifteen to seventeen hours of class-room work a week. No student is allowed to take less than fourteen hours nor more than seventeen hours of work a week without special permission from the Administration Committee of the Faculty.

GRADES.

The general character of the work of each student in each study is indicated by his assignment to one of five grades, grade 1 denoting the highest excellence, and grade 5, failure to pass. The Secretary of the Faculty sends to each student, within three weeks after Commencement, a report of his grades in all the studies which he has taken during the year.

* Copies of the detailed Regulations may be obtained from the Secretary of the Faculty.

EXAMINATIONS.

Regular examinations are held at the end of the year, at the end of the fall and winter terms, and during a specified period in February. The allowance of absence from recitations is, in courses running through the year, three times the number of required exercises a week; in courses running through a half year, or through a term, the allowance is proportionately diminished. A student who has taken the allowed number of absences in any course, exclusive of those excused by the President or by the Committee on Athletic and Musical Organizations, receives a warning; he must thereafter present an excuse for every absence taken in that course, and in case he shall have two unexcused absences subsequent to such warning, he is excluded from examination and must take a special examination later, paying a fee of five dollars. In the application of this rule, absences from the first or the last exercise of a term in any study, or consecutive absences including the first or the last exercise, are each reckoned as two absences. Absences of the same nature before or after the Thanksgiving recess are each reckoned as two absences.

To students who, for any reason, have not passed at a regular examination, opportunities for special examinations are given at specified times. A student who fails to pass a final examination in any study before that study is taken up by the next succeeding class, is required, unless specially excused therefrom, to recite with that class. If, at the close of the special examinations held at the beginning of the year, a student is deficient by an amount equivalent to six or more hours of work a week for a year, he is ranked with the next lower class, unless specially excused therefrom by the Administration Committee of the Faculty.

ENTRANCE CONDITIONS.

A student who fails to make up entrance conditions on or before the first day of November of the next college year, is excluded from all recitations until the conditions are made up.

PUBLIC WORSHIP.

Devotional services, at which the attendance of students is required, are held in Memorial Chapel every morning.

Church attendance is not required, but students are recommended to become regular attendants at some one of the churches in the city.

Voluntary religious services under the direction of the Young Men's Christian Association are held weekly.

ATHLETIC AND MUSICAL ORGANIZATIONS.

No member of the Senior or Junior class who is deficient in his college work more than two hours a week for a year, and no member of the Sophomore class who is deficient more than three hours a week for a year, is allowed to take part, as a member of a University athletic team, in any athletic contest, except by special permission; and any student whose college work becomes unsatisfactory at any time during the year may be debarred from taking part in such a contest.

Members of the college musical organizations, who are deficient as specified in the preceding paragraph, are not allowed to appear in public concerts given by those organizations.

No student under censure is allowed to serve, without permission of the Faculty, in any capacity on an athletic organization or on a musical association giving public concerts.

The administration of eligibility rules in athletics and the approval of schedules of games is in the hands of the Athletic Council, in which the Faculty is represented.

LEAVE OF ABSENCE.

A student who desires excuse from college exercises on account of absence from town must apply to the President for permission to be absent, and, unless the circumstances of the case render it impracticable, such permission must be obtained before the student's departure.

EXPENSES.

The annual charges in the Treasurer's bill are as follows:—

[illegible]

For the laboratory courses in physics, chemistry, and biology, fees are charged, which vary with the nature of the course and with the number of exercises elected per week. The fee for each exercise per week in practical physics, in practical biology, and in III., IV., and X. Chemistry, is five dollars; in VI. Chemistry, eight dollars; and in IX. Chemistry, ten dollars. Students electing the chemical courses named are required to make a deposit of five dollars, which is refunded at the close of the course after charges for breakage have been deducted.

Women students must reside in the Women's Hall unless they live in their own homes in the city. Those residing in the Women's Hall are charged at the rate of five dollars and a half a week for board and room-rent. Those residing in the city are charged two dollars a term for the use of the study-room in the Women's Hall.

A diploma fee of five dollars is charged to each student at graduation.

A fee of five dollars is required of every candidate for the Master's degree before his course of study can be approved by the Committee on Graduate Instruction.

A diploma fee of ten dollars is charged to each graduate student upon promotion to the Master's degree.

The college bills are payable at the commencement of each term; a rebate of one dollar is made on all college bills that are paid on or before the day appointed. Unless the bill for any term is paid, or payment thereof guaranteed, before the commencement of the following term, the student is liable to exclusion from recitations.

No student can have an honorable dismissal, or certificate of progress in his studies, until his bills are paid or payment thereof guaranteed.

A student who is absent from college on account of sickness, or for other cause, and who retains his place in his class, must pay the full college bills during his absence.

The rooms in the college buildings are rented to students during term time only, and must be vacated at the close of the third term. Students are held accountable for any damage done to their rooms. During the summer vacation the rooms are put in order, and the expense charged to the occupants.

Male students are permitted to take lodgings in town, but the places in which they room or board are in all cases subject to the approval of the Faculty. If any of the rooms in the college are thus left vacant, the rent of such rooms may be charged to holders of free scholarships who room in town.

Board may be obtained in private families at prices varying from \$3.75 to \$5.00 a week. The college fraternities maintain clubs which supply board to their members at prices ranging from \$3.00 to \$4.00 a week. The price of board at the college commons is \$2.35 a week.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the college for want of money.

THE COMMONS.

In order to reduce the expense of a college course, the college maintains a commons, where board may be obtained at a low rate. The dining hall affords accommodation for about one hundred boarders. The upper rooms of the house are rented unfurnished for dormitory purposes, at lower rates than the rooms in North College.

The college is responsible for the general management of the commons, the details being in charge of a matron who is responsible to a college officer. Bills are paid into the college treasury, and the college assumes all financial responsibility. The rate of board has been fixed at two dollars and thirty-five cents a week.

MATERIAL EQUIPMENT.

NEW BUILDINGS.

WILLBUR FISK HALL, opened in the summer of 1904, is occupied by the Departments of Language, Literature, History, Economics, and Philosophy. It is of Portland brown-stone and practically fire-proof, 113 by 62 feet in dimensions, three stories in height above a lofty and well-lighted basement story, and cost one hundred and fourteen thousand dollars. It contains ten private studies for professors in charge of departments, fourteen lecture rooms, seven commodious seminary rooms, and a well-appointed psychological laboratory.

In the planning and construction of the building careful attention was paid to matters of heating, lighting, ventilation and drainage. It is believed that in dignity of external appearance, interior finish, convenience of arrangement, and adaptation at all points to the uses for which it is designed, it is a model college building.

THE JOHN BELL SCOTT MEMORIAL, a new Physical Laboratory, was completed in 1904 at a cost of one hundred and eighteen thousand dollars. It is the gift of the late Charles Scott and of his son, Charles Scott, of the class of 1886, in memory of John Bell Scott, of the class of 1881, who died of disease contracted while serving as Chaplain of the U. S. Cruiser *St. Paul* during the Spanish-American war.

It is a beautiful and imposing building constructed of Harvard brick and Indiana limestone. Its main part has a frontage of 102 feet and a depth of 51 feet, and, in the rear is an extension 50 by 30 feet. The building consists of basement, three stories, and attic, except that the third story is omitted in the extension. The main lecture room contains nearly two hundred seats, and there is a smaller lecture room seating about forty persons. The building contains twenty-two rooms for experimental work, elementary and advanced, in addition to lecture and apparatus rooms, photographic dark rooms, store rooms, offices, a library, and a room for draughting and computing. There is also a tower 4 by 6 feet in cross section, with a height of 54 feet in the clear, which can be used for experiments requiring great vertical extension.

The building is equipped with an exceptionally extensive and complete system of wiring for the purpose of distributing to all points, for experimental use, alternating and direct currents from the city mains, as well as current from the storage batteries in the basement. For the most part the interior is finished with exposed brick walls, painted a light tint, and with exposed floor timbers and pipe work.

LIBRARY AND READING-ROOMS.

THE LIBRARY in Rich Hall contains about seventy-two thousand volumes. The library is open every week-day of the college year from 8 A. M. to 10 P. M. Students are allowed direct access to the shelves. Copies of the library rules may be obtained from the Librarian.

The increase of the Library is provided for from the income of funds amounting to \$85,955. The Alumni Library Endowment of \$35,580 is the aggregate of numerous gifts from alumni and friends of the University. The Hunt Library Endowment of \$30,225 was willed to the University by the late Rev. Albert Sanford Hunt, D. D., of the class of 1851. The Wilcox Library Endowment of \$20,150 was willed to the University by the late Mrs. Stephen Wilcox.

On the first floor of North College is a reading-room, provided with daily and weekly newspapers. Another reading-room, on the second floor of Rich Hall, contains the current issues of the most important magazines and reviews, literary and scientific, American and foreign.

ASTRONOMICAL OBSERVATORY.

THE OBSERVATORY is used for purposes of instruction, and is well equipped therefor. Students in astronomy have frequent opportunities to examine the most interesting celestial objects through the telescope; and members of the class in practical astronomy are instructed in the theory and use of all the instruments in the observatory.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three

inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a photographic registering apparatus, a chronograph, a Wheatstone stereoscope, a double projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a fall-tachistoscope for class-room demonstration, and a mirror exposure apparatus of new design for studying the psychology of reading.

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 81. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In the department of electricity, facilities are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25 horse-power Ball engine and a $17\frac{1}{2}$ kilowatt direct current dynamo, which are used to generate part of the current required for lighting the college buildings, advanced students in the electrical courses being employed as engineers.

THE CHEMICAL LABORATORY occupies seven rooms in Judd Hall. A large working-room on the first floor, with a balance room adjoining, furnishes accommodations for about fifty students, and smaller

rooms afford conveniences for the work of instructors, assistants, and graduate students. Two other rooms on the first floor are used for library, seminary, and office purposes. A large room in the basement serves for the laboratory work of the required course in elementary chemistry.

The laboratory for the study of the nutrition of man is located in the basement of Judd Hall. Its equipment consists of a large respiration calorimeter, a bomb calorimeter and accessory analytical apparatus. The Cryogenic Laboratory furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a complete liquid air plant, including a kerosene motor, a Norwalk compressor which delivers about 15 cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about $2\frac{3}{4}$ liters of liquid air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Four rooms are used for general laboratory purposes, of which one is devoted to miscellaneous laboratory work, one to physiological work, one to coarse dissection, and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanic. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenezer Hill, Esq., of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAYERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wyllys Street. Its dimensions are 55 by 120 feet.

The basement contains two bowling alleys, a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof, above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation, drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

The gymnasium is in charge of a competent director. Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is afforded for baseball, football, and field and track athletics. An outdoor board track has recently been built by one of the college fraternities. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practice at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. This department includes about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a most valuable accession in the gift of a set of the educational series of rock specimens described in Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection.

The collections in paleontology have been very largely increased since 1893 by the work of the present curator in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in the vicinity of Chattanooga, Tenn., Canon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by Clarence S. Wadsworth, B. A.; and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., and by Mrs. W. W. Wilcox. The collection of coins numbers over 3,000, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Another collection of Chinese coins, numbering over 200, and representing the series of dynasties from the fifth century B. C. to the present time, was received in 1903 from Rev. John Gowdy, B. A., of the Anglo-Chinese College, Foo Chow. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy and geology. The coins (with the exception of a small selection placed on exhibition in the museum) are kept in a case in the library, where they can be seen by students and others on special application. Small collections illustrative of classical archeology are kept in the seminary rooms.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOÖLOGY.

Mammals—skins mounted and unmounted,	-	-	-	200
alcoholic,	-	-	-	50
skulls and skeletons,	-	-	-	110
Birds—skins mounted and unmounted,	-	-	-	1,700
nests and eggs,	-	-	-	600
Reptiles,	-	-	-	350
Amphibians,	-	-	-	150
Fishes,	-	-	-	2,100
Insects—pinned and alcoholic,	-	-	-	6,500
nests, borings, etc.,	-	-	-	50
Crustacea,	-	-	-	1,500
Worms,	-	-	-	1,800
Mollusks—shells,	-	-	-	90,000
alcoholic,	-	-	-	4,000
Echinoderms,	-	-	-	1,000
Cœlentera,	-	-	-	1,700
Sponges and protozoa,	-	-	-	150

DEPARTMENT OF BOTANY.

Plants in herbarium,	-	-	-	10,700
Specimens of wood,	-	-	-	300
Miscellaneous botanical specimens,	-	-	-	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks,	-	-	-	21,000
Fossils—Paleozoic,	-	-	-	11,500
Mesozoic,	-	-	-	3,500
Cenozoic,	-	-	-	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens,	-	-	-	3,000
Coins,	-	-	-	5,250

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, B. A., of the class of 1859. In accordance with its provisions, the income of \$6,712 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIPS.

These scholarships were founded by Miss Louisa Loveland. The income of \$2,518 is available, at the discretion of the Faculty, for the use of deserving students who need pecuniary assistance. For these scholarships only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church, can be candidates.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,015 is given annually to that member of the Senior or Junior class who is named by the Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Jones Scholarship Fund, \$1,007, founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$2,315, founded by William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,050, founded by John J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory of Hon. George W. Shonk, B. A., of the class of 1873.

The Starks Scholarship Fund, \$1,014, founded by Mrs. Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,012, founded by Philip Reynolds, of Brockton, Mass.

The Lucy Reynolds Scholarship Fund, \$1,000, founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,025, founded by Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$2,000, founded by James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$10,000, founded by Mrs. Annie M. Swift, of Chicago, Ill., in memory of her husband, Gustavus F. Swift.

COLLEGE HONORS.

PRIZES.

The Harrington Prize, the gift of Rev. Edmund Mead Mills, D. D., in memory of Professor C. S. Harrington, is awarded for the best essay on some specified subject in the department of history. The subject for the essay of 1906 is: The History of the Western Land Claims of Connecticut. The competition is open to Juniors and Seniors who are taking, or have taken, courses in the department other than Course I.

The Joseph D. Weeks Prize, the gift of Joseph Dame Weeks, M. A., is awarded for the best essay on some specified subject in the department of economics. The subject for the essay of 1906 is: The Wise Tariff Policy for the United States to-day. The essays must be left with the head of the department on or before the third Monday in May (May 21, 1906).

The Peirce Prize, endowed by Rev. Bradford K. Peirce, D. D., is awarded for excellence in natural science. It will be given in 1906 upon a special examination based on Course II. in geology. The subject of the examination in 1907 will be biology; in 1908, chemistry.

The Phi Beta Kappa Prize, the gift of the Connecticut Gamma of Phi Beta Kappa, is awarded for excellence in Latin. It will be given in 1906 upon a special examination in Horace: the Odes, Epodes, and Epistles 1 and 2 of Book II.

The G. Brown Goode Prize, the gift of Mrs. G. Brown Goode, is awarded for the best original investigation in the department of natural history.

The John Bell Scott Prize, endowed by the late Charles Scott, is awarded for excellence in the modern languages. It will be given in 1906 for work done in the life and works of Dante. In 1907 it will be given for a thesis and examination on the dramas of Goethe's classical period (1786-1805).

No person who has once taken either the Harrington, the Joseph D. Weeks, the Phi Beta Kappa, or the G. Brown Goode prize, may compete for it again.

The Weeks Prize, the gift of Joseph Dame Weeks, M. A., is awarded for excellence in modern philosophy. It will be given in 1906 for the best examination in Courses VII. and VIII. in philosophy, and for additional work to be assigned by the instructor.

The Camp Prize, endowed in memory of Samuel T. Camp, is awarded for excellence in English literature. It will be given in 1906 upon a special examination in Course I. in English literature.

The Johnston Prize, the gift of Rev. David G. Downey, D. D., in memory of Professor John Johnston, is awarded for excellence in electricity. It will be given in 1906 upon a special examination based on Course II. in physics.

The Spinney Prize, the gift of Mrs. Joseph Spinney, is awarded for excellence in Greek. It will be given in 1906 for special work based in part on the first half of Course II. in Greek.

The Rice Prize, the gift of Rev. William Rice, D. D., is awarded for excellence in mathematics. It will be given in 1906 upon a special examination based on Course V. in mathematics.

Students who compete for either the Weeks, the Camp, the Johnston, the Spinney, or the Rice prize must do so during the year in which they regularly pursue the course or courses on which the examination for the prize is based.

The Wise Prize, endowed by Rev. Daniel Wise, D. D., is awarded to that member of the Senior class who excels in ethics. It will be given in 1906 to that member of the Senior class who presents the best paper on "The Authority of Conscience."

The Walkley Prize, endowed by Webster R. Walkley, M. A.,—*in memoriam* David Hart Walkley, born April 23, 1857; graduated June 27, 1878; died September 16, 1878,—is awarded to that member of the Junior class who excels in psychology. It will be given in 1906 for the best examination on the work of the required course in psychology, together with additional work to be assigned by the instructor.

The Sherman Prize, endowed by Rev. David Sherman, D. D., is awarded this year to that member of the Freshman class who excels in mathematics. It will be given for special work based on Course I. in mathematics. The subject of the examination in 1907 will be Latin; in 1908, Greek.

The Ayres Prize, endowed by Daniel Ayres, M. D., LL. D., is awarded to that member of the Freshman class who is found upon a special examination, held shortly after the beginning of the college year, to have attained the highest excellence in the studies preparatory to admission to the classical course.

The Rich Prize, endowed by Isaac Rich, in memory of his wife, is awarded to that member of the Senior class who prepares and presents the English oration which is deemed best in composition and delivery. These orations will this year, however, be delivered not, as usual, on Commencement Day, but on the evening of the Friday preceding Commencement, June 22, 1906. They must not exceed twelve hundred words in length, and must be left with the Professor of English Literature on or before Wednesday, June 13, 1906.

The Olin Prize, endowed by Mrs. Julia M. Olin, is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1906 is: Robert Louis Stevenson; the Man and the Writer. The subject for the essay of 1907 is: The Social Ideals of Shelley. Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 23, 1906).

Two prizes are awarded, as a first and second prize respectively, to the two members of the Junior class who present the best orations at the annual Junior Exhibition. In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 21, 1906).

The Briggs Prize, endowed by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

The Calef Prize, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the

Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

The Parker Prize, endowed by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

The Hibbard Prize, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

The Taylor Prize, the gift of Rev. George Lansing Taylor, D. D., is awarded to that student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1904-1905.

The Harrington Prize, to WILLIAM GORDON MURPHY, JR., 1906.

The Joseph D. Weeks Prize, to HOWARD BRIGHAM FIELD, 1905.

The Peirce Prize, to RAY ROOD ALLEN, 1907.

The Phi Beta Kappa Prize, to FRANK EGGLESTON ROBBINS, 1906.

The G. Brown Goode Prize, to ALLAN FERGUSON, 1905.

The Weeks Prize, to FRANK CHESTER BECKER, 1905.

The Camp Prize, to EARLE LINUS RICH, 1907.

The Johnston Prize, to NEWTON MANLEY PERRINS, 1906.

The Spinney Prize, to RAY ROOD ALLEN, 1907.

The Rice Prize, to BAYARD HOWARD VEAZEY, 1907.

The Wise Prize, to DANIEL ROY FREEMAN, 1905.

The Walkley Prize, to FRANK EGGLESTON ROBBINS, 1906.

The Sherman Prize, to RAYMOND SCOFIELD CURTICE, 1908, and CHARLES EDWARD GRAVES, 1908.

The Rich Prize, to DANIEL ROY FREEMAN, 1905.

Committee of Award:—Professor Myron Reed Sanford, M. A., of Middlebury College; Robert Henry Williams, M. A., of Chattanooga, Tenn.; and Reverend Edward Summerfield Ninde, D. D., of Ann Arbor, Mich.

The Olin Prize, to HENRY FOSTER ADAMS, 1905.

Committee of Award:—Reverend Herbert Welch, D. D., President of Ohio Wesleyan University.

The First Junior Exhibition Prize, to CHARLES MABBETT TRAVIS, 1906.

Committee of Award:—Reverend Henry Baker, D. D., of Middletown; Reverend William Palmer Ladd, B. D., of the Berkeley Divinity School; and Honorable Silas Arnold Robinson of Middletown.

The Second Junior Exhibition Prize, to CHARLES WOODARD ATWATER, 1906.

Committee of Award:—Same as for the First Junior Exhibition Prize.

The Briggs Prize, to CHARLES MABBETT TRAVIS, 1906.

Committee of Award:—Professor George Matthew Dutcher, Ph. D., of Middletown; Professor Robert Herndon Fife, Jr., Ph. D., of Middletown; and Asa Russell Gifford, B. A., of Middletown.

The Parker Prize, to RAYMOND LALOR FORMAN, 1907.

Committee of Award:—Reverend Frederick William Greene, B. A., of Middletown; Arthur Henry Harrop, Ph. D., of Middletown; and Clarence Everett Bacon, M. A., of Middletown.

The Second Prize in Elocution, to THERON ALVORD CLEMENTS, 1906.

Committee of Award:—Same as for the Parker Prize.

The Hibbard Prize, to ROBERT WATERMAN RICE, 1908.

Committee of Award:—Same as for the Parker Prize.

The Ayres Prize, for the current year, to ROY BULLARD CHAMBERLIN, 1909, prepared at Wyoming Seminary, Kingston, Pa.

APPOINTMENTS FOR JUNIOR EXHIBITION AND COMMENCEMENT.

The Junior Exhibition is held on the third Thursday evening of the spring term (May 3, 1906). The speakers are selected from the men of the Junior class according to their grade in composition subsequent to the Freshman year and by means of a special contest in declamation. The selection of speakers for Commencement, from the men of the Senior class, is determined by their grade in the rhetorical exercises of the Junior and the Senior year and by a special contest in declamation. The number of speakers at each of these public exercises is limited to eight.

The speakers last year were:—

JUNIOR EXHIBITION.

CHARLES WOODARD ATWATER, ALBERT MANN, JR.,
THERON ALVORD CLEMENTS, GUY WRIGHT ROGERS,
GEORGE EDWIN HEATH, GEORGE WILEY SHERBURN,
CHARLES MABBETT TRAVIS.

COMMENCEMENT.

DANIEL ROY FREEMAN, GEORGE BRADFORD NEUMANN,
STEWART FREEMAN HANCOCK, GEORGE GREENWOOD REYNOLDS, 2D,
WILLIAM MORTIMER HEISLER, HORACE JACOBS RICE,
GEORGE AVERY NEELD, CHARLES AUGUSTUS RUSSELL.

HONORS IN SCHOLARSHIP.

I. HONORS IN GENERAL SCHOLARSHIP.—Two grades of honor, designated respectively as honors and high honors, are conferred at graduation, based upon the general scholarship of the student throughout his whole course.

An honor in general scholarship is awarded to a student who has received a grade not below third on an aggregate of not less than 62 hours' work, as reckoned in the record of standings, has received first grade on a number of hours' work not less than the part of the 62 hours' work on which he has received third grade, and has not fallen below fourth grade in any study of the course.

A high honor in general scholarship is awarded to a student who has received a grade not below second on an aggregate of not less than 62 hours' work, has received first grade on an aggregate of not less than 50 hours' work, and has not fallen below third grade in any study of the course.

II. PRELIMINARY HONORS.—Preliminary honors are awarded in the departments of classics and of mathematics at the end of the Sophomore or Junior year, and no student can receive special honors at graduation in Greek, Latin, or mathematics, who has not previously received the corresponding preliminary honors. Notice of candidacy for preliminary honors must be given to the senior officer of the department, and to the Secretary of the Faculty, as early as the first Monday of the third term of the year in which the candidate intends to present himself for the special examination (April 23, 1906). The case of each candidate is decided by the Faculty. The special regulations concerning the award of preliminary honors are as follows:—

Classics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade, in the following courses:—I., II., and III. Greek, and I., II., III., and IV. Latin.

2. He must also pass with distinction a special examination, held near the end of the academic year, and designed to test (*a*) his ability to translate Greek and Latin into English at sight, and (*b*) his knowledge of Greek and Latin grammar, and of Greek and Roman antiquities, mythology, and political and literary history.

Mathematics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade in the required course in mathematics, and in such elective courses, amounting to not less than five hours a week, as may be approved by the head of the department. Courses IV. and V. are recommended.

2. He must pass with distinction a special examination, held near the end of the academic year, which may cover the entire field of his mathematical knowledge.

III. HONORS IN SPECIAL DEPARTMENTS AT GRADUATION.—Two grades of special honor, designated respectively as honors and high honors, are awarded at graduation in each of the following departments:—

Latin; Greek; German; Romance Languages; English; History; Economics and Social Science; Philosophy; Mathematics; Physics; Chemistry; Geology; Biology.

The conditions upon which special honors in these departments are awarded are as follows:—

(1) The candidate must apply to the officer in charge of the department in which he desires to take honors, and to the Secretary of the Faculty, not later than the first Monday of the third term in the Junior year (April 23, 1906).

(2) He must pass at the regular or special examinations in such studies of the college course as are prescribed for honors in the several departments in the schedule given below; and in such studies he must not fall below third grade, and must maintain an average standing of second grade after the beginning of the Sophomore year, or must receive first grade in all of the prescribed studies which he takes after the beginning of the Junior year.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 16, 1906).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year,

and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than twenty hours a week.

2. Courses I., II., and III. in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.-VIII. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I.-IV. in Latin.

German.—1. Courses I.-V., VIII., IX., and X. in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Courses III. and IV. in English language.

Romance Languages.—1. Courses I.-VIII. in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a.) Four courses in English literature, and four courses in English language.

(b.) Four courses in English language, one course in English literature, two courses in German.

(c.) Four courses in English literature, one course in English language, four courses in French or German or both.

(d.) Four courses in English literature, four courses in French or German, the course in English history.

(e.) Five courses in English language, five courses in French or German.

History.—1. All the courses in history.

2. The required course, and one elective course, in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III. in history.

Philosophy.—1. All the courses in philosophy.

2. The course in ethics.
3. The course in theism (for candidates in general philosophy), or Course IV. in biology (for candidates in psychology).

Mathematics.—1. The required course in mathematics.

2. Elective courses in mathematics and astronomy, amounting in the aggregate to not less than fifteen hours a week.
3. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course V. in mathematics in the Sophomore year.]

Physics.—1. Courses I. and II. in physics.

2. Two years of practical physics (in at least one of which there shall be three exercises a week).
3. Not less than the equivalent of six hours per week for a year, chosen from the following courses:—V., VI., VII., VIII., IX., XII. Physics, and XI. Mathematics.
4. Course I., and either Course III. or Course IV. in chemistry.
5. Course V. in mathematics.

Chemistry.—1. Courses I., II., either III. or IV., VI., VII., and XI. in chemistry.

2. Course I. in physics, and one year of practical physics; or Course VIII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.–VI. in geology.

2. The course in descriptive astronomy.
3. Courses II. and III. in biology.
4. Not less than two of the following courses:—V., VI., and VII. Biology, either III. or IV. Chemistry, VI. Chemistry, and IX. Physics.

Biology.—1. Courses I.–IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).
3. Courses I. and II. in geology.
4. Either Course III. or Course IV. in chemistry or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

WESLEYAN

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 25, 1906).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.



AWARD OF HONORS, 1904-5.

HONORS IN GENERAL SCHOLARSHIP.

HIGH HONORS.

STEWART FREEMAN HANCOCK, GEORGE GREENWOOD REYNOLDS, 2D.

HONORS.

FRANK CHESTER BECKER, GEORGE BRADFORD NEUMANN,
DANIEL ROY FREEMAN, ROBERT HENRY RIPPERS,
CHARLES AUGUSTUS RUSSELL.

RUTH DEAN, SARAH AGNES SCUDDER,
CLARA FRANCES SYKES.

HONORS IN SPECIAL DEPARTMENTS.

HONORS.

Greek.

HENRY ALFRED HOLMES. Aristophanes. Thesis: "The Character of Cleon as portrayed in Aristophanes."

PRELIMINARY HONORS.

Classics.

Sophomores.

RAY ROOD ALLEN, EARLE LESLIE LEGG.
FRANCES TERESA NEJAKO.

Mathematics.

Sophomore.

BAYARD HOWARD VEASEY.

DEGREES.

The following degrees are conferred by the University, in course:—

BACHELOR OF ARTS.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Classical Course.

BACHELOR OF PHILOSOPHY.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Latin-Scientific Course.

BACHELOR OF SCIENCE.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Scientific Course.

The baccalaureate degree is awarded *summa cum laude* to a student who takes high honors both in general scholarship and in one or more departments; *magna cum laude*, to a student who takes a high honor either in general scholarship or in one or more departments; *cum laude*, to a student who takes an honor either in general scholarship or in one or more departments.

MASTER OF ARTS AND MASTER OF SCIENCE.—The degrees of Master of Arts and Master of Science are conferred in accordance with the following regulations:—

1. The degree of Master of Arts is conferred upon Bachelors of Arts of Wesleyan University, of at least one year's standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued in residence for a period of not less than one year. This course of study is under the full direction of a Committee of the Faculty on Graduate Instruction, composed of three permanent members with the addition of the instructor in charge of each department in which the candidate pursues work. Evidence of the candidate's proficiency in the approved studies is given by an examination, oral or written, by a thesis or an essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these

methods combined, as the committee may prescribe. All such tests of proficiency are under the direction of the committee, and they report to the Faculty proper candidates for the degree.

2. In the case of Bachelors of Arts of other colleges whose course of study is accepted as sufficient by the Committee on Graduate Instruction, or who pass such additional examinations as the committee prescribes, the degree of Master of Arts is conferred on the conditions prescribed in the case of Bachelors of Arts of Wesleyan University pursuing a course of study in residence.

3. The degree of Master of Arts is also conferred upon Bachelors of Arts of Wesleyan University, of at least three years' standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued *in absentia*, and equivalent in amount to that prescribed in the case of resident graduate students; and in all other particulars the same regulations hold in the case of non-resident as in the case of resident students. The degree is also conferred upon Bachelors of Arts of Wesleyan University, of two years' standing, at the satisfactory conclusion of a course of study pursued *in absentia*, on the conditions above specified, provided that the candidate has spent the two years in resident study in a non-professional department of some other university.

4. The degree of Master of Science is conferred upon Bachelors of Philosophy and Bachelors of Science, whether of this or of other colleges, under the same conditions which govern in the case of the degree of Master of Arts.

5. Bachelors of Philosophy and Bachelors of Science, whether of this or of other colleges, who pass such examinations in Greek and Latin, and in other literary studies, as the Committee on Graduate Instruction prescribes, are admitted to the degree of Master of Arts on the conditions prescribed in the case of Bachelors of Arts.

6. A fee of five dollars is required of every candidate for the Master's degree before his proposed course of study can be approved by the Committee on Graduate Instruction; and a fee of ten dollars is required when the degree is conferred.

Communications from prospective graduate students regarding the Master's degree should be addressed, in the first instance, to Professor A. C. Armstrong, the secretary of the Committee on Graduate Instruction.

DEGREES CONFERRED, JUNE, 1905.

DEGREES IN COURSE.

The Degree of Bachelor of Arts was conferred on

HANFORD CURTIS ADAMS,	RALPH HOOKER MIX,
WALTER SINCLAIR ADAMS,	VICTOR CARYL MYERS,
FRANK CHESTER BECKER,	GEORGE AVERY NEELD,
ALLAN FERGUSON,	GEORGE BRADFORD NEUMANN,
HOWARD BRIGHAM FIELD,	GEORGE GREENWOOD REYNOLDS, 2D,
HARRY NICHOLS FRENCH,	ROBERT HENRY RIPPERE,
STEWART FREEMAN HANCOCK,	EDWARD ROSS TRACY,
WILLIAM MORTIMER HEISLER,	BURR DEFOREST VAIL,
HENRY ALFRED HOLMES,	THOMAS ALEXANDER WEST,
RALPH WENDELL LEIGHTON,	JAMES MAXON YARD.

CLARA FRANCES SYKES.

The Degree of Bachelor of Philosophy was conferred on

HENRY FOSTER ADAMS,	HOWARD EMERY AMBLER JONES,
JAMES SIDNEY AMES,	HOWARD WILSON KENDALL,
ALLEN REYNOLDS BISHOP,	MARTIN HOBART KNAPP,
JOHN FRANKLIN BOYD,	WALTER RICKS LITTELL,
JOHN MCINTYRE DAVIS,	RALPH EDWARD MARTIN,
JOHN BATES EYSTER,	JULIAN CEPHAS MORGAN,
NATHAN HAYES FAIRCHILD,	JOHN ARTHUR RANDALL,
DANIEL ROY FREEMAN,	HARRY GREGORY SEIDES,
ERNEST GEORGE NOSWORTHY HOLMES,	
DONALD GILBERT HOYT,	RAY OSCAR STEPHENS,
HAROLD WARDWELL HOYT,	CLARENCE HOWARD TRYON.

RUTH BURR BONFOEY, RUTH DEAN,
SARAH AGNES SCUDDER.

PUBLICATIONS.

ALUMNI RECORD.—Through the liberality of Orange Judd, M. A., a *Biographical Record of the Alumni of the University* was published in 1869. A third edition of this Record, revised and corrected, was issued in June, 1883. This edition contains not only the record of alumni, revised and corrected to the date of publication, but also a list of all former students not graduates, with their residences, and such other information with reference to them as the most thorough search could obtain. It also includes a bibliographical record, showing all the more important literary and scientific work done by alumni and members of the Faculty. Copies of this edition may be had on application to the librarian, W. J. James. The price of the Record, postage prepaid, is one dollar.

A seventh edition of the Supplement to the Alumni Record was published in December, 1905. It contains an alphabetical list of the living graduates, with their honorary and professional degrees, their occupations, their addresses, and their geographical distribution; also a list of honorary alumni, with their addresses, if living, or date of death, if deceased. This edition also contains as full information as can be obtained concerning the non-graduates.

Information in regard to changes of address of alumni or non-graduates, or in regard to any other facts suitable for future editions of the Record, is earnestly solicited. All who can furnish such information are requested to communicate with Professor F. W. Nicolson, Secretary of the Faculty.

WESLEY BICENTENNIAL.—A memorial volume was issued early in 1904 containing a full record of the celebration of the bicentennial anniversary of the birth of John Wesley by Wesleyan University at the Commencement of 1903. The book was printed by Theo. L. DeVinnie & Co., of New York. It contains over 250 pages, and includes a general account of the celebration, the full text of all the addresses delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of

degrees, honorary and in course, and of nearly six hundred alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds, with two excellent portraits of John Wesley, and with portraits of the principal speakers. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price, \$1.50, postage prepaid.

BULLETIN.—The *Bulletin* was first issued in 1888, and has since been published twice a year (usually in May and November), under the direction of a committee of the Faculty. It contains accounts of trustee and alumni meetings, lists of recent gifts, statements of the most urgent needs of the University, changes in the Faculty and courses of study, department notes, and various other matters of interest to the alumni and friends of the institution. It is sent to the trustees and alumni, and may be obtained by other friends of the University upon application to the Secretary of the Faculty.

NECROLOGY.—A list of deceased graduates of the University is published annually in the Spring *Bulletin*. All persons who can supply information for future lists are urgently requested to communicate the same to Professor F. W. Nicolson, Secretary of the Faculty.

EMPLOYMENT BUREAU.

An employment bureau is maintained in the office of the Secretary of the Faculty, for the purpose of securing positions as teachers for graduates of the college, and to provide opportunities for undergraduates to earn money towards paying their college expenses, either by work in Middletown during term time, or by work in Middletown or elsewhere during the summer vacation. Those who wish to avail themselves of the opportunity thus offered are invited to register; and the alumni and friends of the college are urgently requested to inform the Secretary of any vacancy coming to their notice which might be filled by a Wesleyan student or graduate. No fees are charged.

CALENDAR.

1905.

- Sept. 28, Thursday—First term began.
 Nov. 29-Dec. 3, Thanksgiving recess.
 Dec. 22, Friday—First term will close.

CHRISTMAS RECESS.

1906.

- Jan. 3, Wednesday—Second term will begin.
 Jan. 25, Thursday—Day of prayer for colleges—a holiday.
 Feb. 8-21, Mid-year examinations.
 Feb. 22, Thursday—Washington's Birthday—a holiday.
 April 11, Wednesday—Second term will close.

SPRING RECESS.

- April 17, Tuesday—Third term will begin.
 April 21, Saturday—Last day for presenting Junior Exhibition essays.
 April 23, Monday—Last day for presenting Olin Prize essays.
 April 23, Monday—Last day for presenting applications for preliminary and special honors.
 April 23, Monday—Last day for presenting applications for special spring examinations.
 May 3, Thursday—Junior Exhibition.
 May 21, Monday—Last day for presenting Joseph D. Weeks Prize essays.
 May 30, Wednesday—Memorial Day—a holiday.
 May 31, Thursday—Prize debate.
 June 8, Friday—Annual examinations will begin.
 June 13, Wednesday—Last day for presenting Rich Prize essays.
 June 16, Saturday—Last day for presenting special honor theses, and for special honor examinations.
 June 16, Saturday—Last day for presenting Master's theses, and for examinations for the Master's degree.
 June 21, Thursday—Prize declamation contest.

The conditions upon which special honors in these departments are awarded are as follows:—

(1) The candidate must apply to the officer in charge of the department in which he desires to take honors, and to the Secretary of the Faculty, not later than the first Monday of the third term in the Junior year (April 23, 1906).

(2) He must pass at the regular or special examinations in such studies of the college course as are prescribed for honors in the several departments in the schedule given below; and in such studies he must not fall below third grade, and must maintain an average standing of second grade after the beginning of the Sophomore year, or must receive first grade in all of the prescribed studies which he takes after the beginning of the Junior year.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 16, 1906).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year,

and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than twenty hours a week.

2. Courses I., II., and III. in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.–VIII. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I.–IV. in Latin.

German.—1. Courses I.–V., VIII., IX., and X. in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Courses III. and IV. in English language.

Romance Languages.—1. Courses I.–VIII. in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a.) Four courses in English literature, and four courses in English language.

(b.) Four courses in English language, one course in English literature, two courses in German.

(c.) Four courses in English literature, one course in English language, four courses in French or German or both.

(d.) Four courses in English literature, four courses in French or German, the course in English history.

(e.) Five courses in English language, five courses in French or German.

History.—1. All the courses in history.

2. The required course, and one elective course, in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III. in history.

Philosophy.—1. All the courses in philosophy.

2. The course in ethics.
3. The course in theism (for candidates in general philosophy), or Course IV. in biology (for candidates in psychology).

Mathematics.—1. The required course in mathematics.

2. Elective courses in mathematics and astronomy, amounting in the aggregate to not less than fifteen hours a week.
3. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course V. in mathematics in the Sophomore year.]

Physics.—1. Courses I. and II. in physics.

2. Two years of practical physics (in at least one of which there shall be three exercises a week).
3. Not less than the equivalent of six hours per week for a year, chosen from the following courses:—V., VI., VII., VIII., IX., XII. Physics, and XI. Mathematics.
4. Course I., and either Course III. or Course IV. in chemistry.
5. Course V. in mathematics.

Chemistry.—1. Courses I., II., either III. or IV., VI., VII., and XI. in chemistry.

2. Course I. in physics, and one year of practical physics; or Course VIII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.–VI. in geology.

2. The course in descriptive astronomy.
3. Courses II. and III. in biology.
4. Not less than two of the following courses:—V., VI., and VII. Biology, either III. or IV. Chemistry, VI. Chemistry, and IX. Physics.

Biology.—1. Courses I.–IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).
3. Courses I. and II. in geology.
4. Either Course III. or Course IV. in chemistry or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 25, 1906).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.



CALENDAR.

1905.

Sept. 28, Thursday—First term began.

Nov. 29-Dec. 3, Thanksgiving recess.

Dec. 22, Friday—First term will close.

CHRISTMAS RECESS.

1906.

Jan. 3, Wednesday—Second term will begin.

Jan. 25, Thursday—Day of prayer for colleges—a holiday.

Feb. 8-21, Mid-year examinations.

Feb. 22, Thursday—Washington's Birthday—a holiday.

April 11, Wednesday—Second term will close.

SPRING RECESS.

April 17, Tuesday—Third term will begin.

April 21, Saturday—Last day for presenting Junior Exhibition essays.

April 23, Monday—Last day for presenting Olin Prize essays.

April 23, Monday—Last day for presenting applications for preliminary and special honors.

April 23, Monday—Last day for presenting applications for special spring examinations.

May 3, Thursday—Junior Exhibition.

May 21, Monday—Last day for presenting Joseph D. Weeks Prize essays.

May 30, Wednesday—Memorial Day—a holiday.

May 31, Thursday—Prize debate.

June 8, Friday—Annual examinations will begin.

June 13, Wednesday—Last day for presenting Rich Prize essays.

June 16, Saturday—Last day for presenting special honor theses, and for special honor examinations.

June 16, Saturday—Last day for presenting Master's theses, and for examinations for the Master's degree.

June 21, Thursday—Prize declamation contest.

1906.

- June 22, Friday—Rich Prize contest.
June 24, Sunday morning—Baccalaureate sermon.
June 24, Sunday evening—Commemorative address.
June 25, Monday morning—Business meeting of the Phi Beta Kappa Society.
June 25, Monday morning—Announcement of award of prizes and of preliminary honors.
June 25, Monday afternoon—Class Day.
June 25, Monday afternoon—President's reception.
June 25, Monday evening—Reunions of all classes, followed by illumination of the campus, open air concert, and singing by undergraduates and alumni.
June 26, Tuesday morning—Meeting of the Board of Trustees.
June 26, Tuesday morning—Business meeting of the Alumni Association.
June 26, Tuesday afternoon—Commencement luncheon.
June 26, Tuesday afternoon—Social receptions by the college fraternities.
June 26, Tuesday evening—Oration before the Phi Beta Kappa Society.
June 27, Wednesday—COMMENCEMENT.
June 28, Thursday—Examination of candidates for admission will begin.

VACATION OF THIRTEEN WEEKS.

- Sept. 25, Tuesday—Special examinations for students deficient at the annual examinations.
Sept. 26, Wednesday—Examination of candidates for admission will begin.
Sept. 27, Thursday—First term will begin.

INDEX.

	PAGE.		PAGE.
Abbreviations, - - -	- 26, 37	Debate, - - - - -	48
Absence from college, - - -	- 78, 79	Degrees, - - - - -	103
from recitations, - - -	77	conferred, - - - - -	105
Admission, Terms of, - - -	- 29, 34	Diploma fees, - - - - -	79, 104
Alumni Record, - - - - -	107	Economics, - - - - -	52
Apparatus, - - - - -	83	Elective studies, - - - - -	27, 69, 71
Astronomy, - - - - -	- 57, 82	Electricity, - - - - -	60, 61, 62
Athletics, - - - - -	- 78, 85	Employment bureau, - - - - -	108
Bacteriology, - - - - -	68	English language, - - - - -	48
Biology, - - - - -	66	English literature, - - - - -	46
Board, Cost of, - - - - -	- 79, 80	Ethics, - - - - -	57
Botanical collections, - - -	- 86, 88	Ethnographical collections, - - -	- 87, 88
Botany, - - - - -	67	Evidences of Christianity, - - -	57
Buildings, New, - - - - -	81	Evolution, - - - - -	68
Bulletin, - - - - -	108	Examination groups, - - - - -	69
Calendar, - - - - -	109	Examinations, - - - - -	77
Certificate, Admission by, - -	35	for admission, - - - - -	35
Chapel, - - - - -	77	Expenses, - - - - -	78, 79, 80
Chemistry, - - - - -	62	Faculty, - - - - -	9
Church attendance, - - - - -	77	Committees of, - - - - -	13
Classical course, - - - - -	27, 29, 71	Fees, Laboratory, - - - - -	79
Coins, Collection of, - - - - -	- 87, 88	Diploma, - - - - -	79, 104
Commencement appointments, -	96	French, - - - - -	43
Committees, Faculty, - - - - -	13	Geological collections, - - - - -	- 86, 88
Trustee, - - - - -	7	Geology, - - - - -	65
Commons, - - - - -	80	German, - - - - -	41
Conditions, Entrance, - - - -	77	Grades, - - - - -	76
Courses, General, - - - - -	- 27, 37	Graduate instruction, - - - - -	{ 28, 43, 46, 48, 54, 56, 64, 66, 103
Special, - - - - -	- 27, 34	Graduate students, - - - - -	
required, Schedule of, - -	71		
Daily program, - - - - -	- 73-75		

	PAGE.		PAGE.
Greek, - - - - -	40	Preliminary honors, Award of, -	102
Gymnasium, - - - - -	85	Prizes, - - - - -	91
Herbarium, - - - - -	- 86, 88	Award of, - - - - -	94
History, - - - - -	50	Psychology, - - - - -	54, 55, 56
Honors, Award of, - - - - -	102	Publications, - - - - -	107
General, - - - - -	96	Quota of studies, - - - - -	76
Preliminary, - - - - -	37, 40, 97, 101	Reading-rooms, - - - - -	82
Special, - - - - -	97	Recitations, Program of, - - - - -	73-75
Italian, - - - - -	45	Regents' diplomas, - - - - -	35
Junior Exhibition appointments, -	96	Registration, - - - - -	76
Laboratories, - - - - -	83	Regulations, General, - - - - -	76
Laboratory fees, - - - - -	79	Religious services, - - - - -	77
Latin, - - - - -	37	Required studies, - - - - -	27, 46, 71
Latin-Scientific course, - - - - -	27, 31, 72	Rhetoric, - - - - -	48
Library, - - - - -	82	Romance languages, - - - - -	43
Liquefaction of gases, - - - - -	63	Rooms, - - - - -	79, 80
Logic, - - - - -	54	Scholarships, - - - - -	89
Machine shop, - - - - -	84	Science and Religion, Relations of, -	57
Mathematical models, - - - - -	84	Scientific course, - - - - -	27, 33, 72
Mathematics, - - - - -	57	Sociology, - - - - -	53
Metaphysics, - - - - -	56	Spanish, - - - - -	45
Mineralogical collections, - - - - -	- 86, 88	Special courses, - - - - -	27, 34
Mineralogy, - - - - -	66	Special honors, - - - - -	97
Museum, - - - - -	85	Award of, - - - - -	102
Musical organizations, - - - - -	78	Students, List of, - - - - -	14
Natural history collections, - - - - -	85	Theism, - - - - -	57
Necrology, - - - - -	108	Trustees, - - - - -	3
Observatory, - - - - -	82	Committees of, - - - - -	7
Paleontology, - - - - -	65	Tuition, - - - - -	78, 89
Philosophy, - - - - -	54	Wesley Bicentennial, - - - - -	107
Physical geography, - - - - -	65	Women, Admission of, - - - - -	36
Physics, - - - - -	59	Expenses of, - - - - -	78, 79
Physiology, - - - - -	67	Y. M. C. A., - - - - -	77
Political economy, - - - - -	52	Zoological collections, - - - - -	- 86, 88
Preliminary honors, - - - - -	37, 40, 97, 101	Zoology, - - - - -	67

UNIV. OF MICH.

JAN 5 1907

310.15

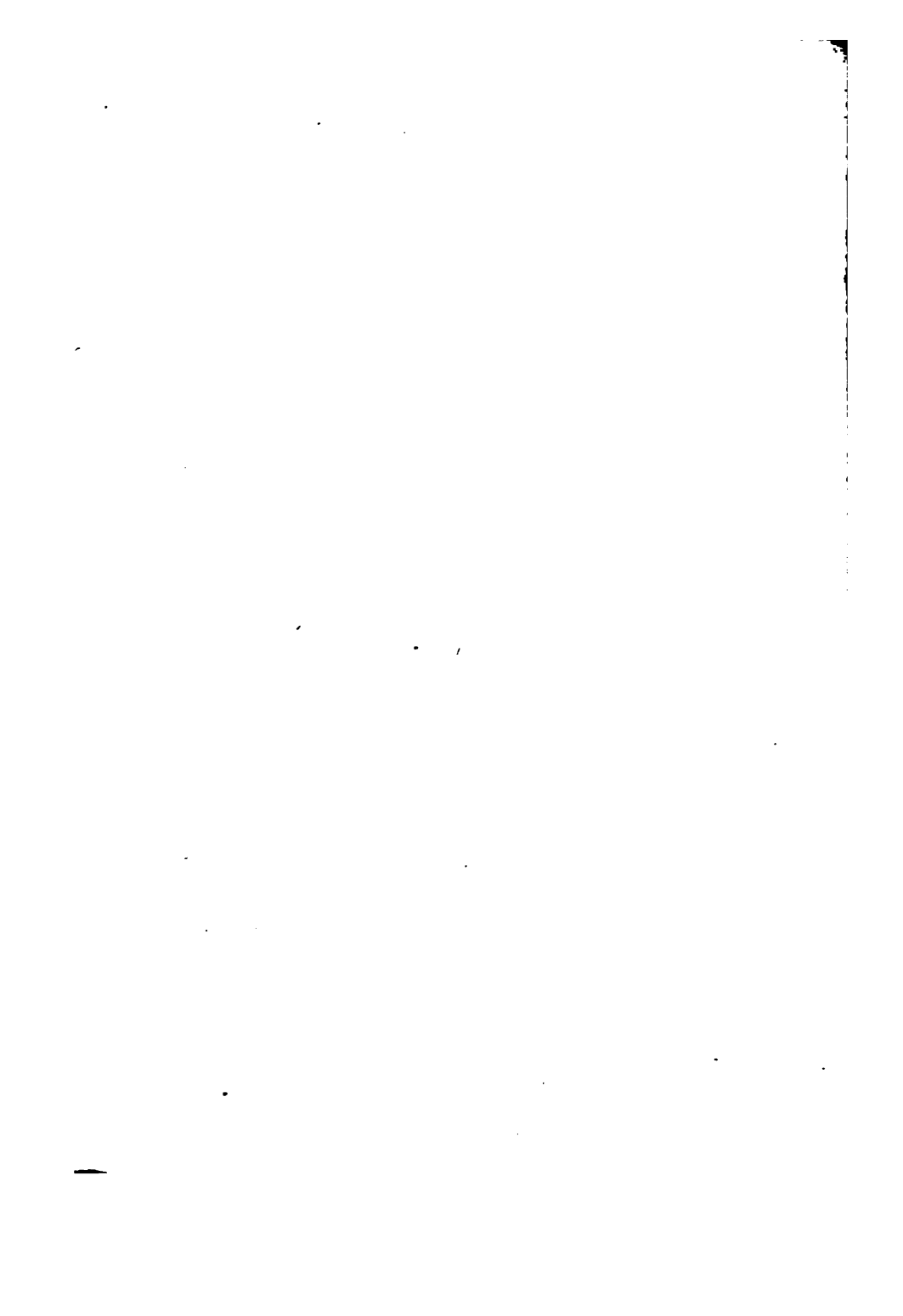
W 5

ANNUAL CATALOGUE
OF
WESLEYAN UNIVERSITY



1906-1907

MIDDLETOWN, CONN.:
FELTON & KING, PRINTERS AND BOOKBINDERS.
1906.



CATALOGUE

OF

WESLEYAN UNIVERSITY

1906-1907



MIDDLETOWN, CONN.
MD. CCCCVI.



BOARD OF TRUSTEES.

HENRY CRUISE MURPHY INGRAHAM, LL. D., PRES.,
16 Court St., Brooklyn, N. Y.

REV. DAVID GEORGE DOWNEY, D. D., SECRETARY,
530 Bedford Ave., Brooklyn, N. Y.

REV. CHARLES HENRY BUCK, D. D., TREASURER,
409 N. Broadway, Yonkers, N. Y.

PRES. BRADFORD PAUL RAYMOND, D. D., LL. D.,
(Member ex officio), Middletown.

TERM EXPIRES IN 1907.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

HENRY CRUISE MURPHY INGRAHAM, LL. D.,
16 Court St., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

SAMUEL WOOD BOWNE,
Pearl and Rose Sts., New York, N. Y.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, LL. D.,
Newport, R. I.

§ REV. DAVID GEORGE DOWNEY, D. D.,
530 Bedford Ave., Brooklyn, N. Y.

† REV. JOHN WESLEY LINDSAY, D. D.,
West Newton, Mass.

† WILLIAM PERRY BILLINGS,
98 S. River St., Wilkes-Barre, Pa.

† REV. WARREN LANNING HOAGLAND, D. D.,
291 N. Grove St., East Orange, N. J.

WESLEYAN UNIVERSITY.

TERM EXPIRES IN 1908.

HON. WILLIAM CONNELL,

Scranton, Pa.

GEORGE SLOCUM BENNETT, M. A.,

Wilkes-Barre, Pa.

CHARLES LEE ROCKWELL,

Meriden.

REV. AZEL WASHBURN HAZEN, D. D.,

Middletown.

WILLIAM EDWIN SESSIONS,

Bristol.

JOHN THOMAS PORTER,

Scranton, Pa.

§ HON. MARTIN AUGUSTINE KNAPP, LL. D.,

Washington, D. C.

§ PRES. ABRAM WINEGARDNER HARRIS, Sc. D., LL. D.,

Evanston, Ill.

* † REV. JOEL OSMON SHERBURN, M. A.

† REV. ALBERT PEARNE PALMER, M. A.,

Lowville, N. Y.

TERM EXPIRES IN 1909.

REV. CHARLES HENRY BUCK, D. D.,

409 N. Broadway, Yonkers, N. Y.

HON. PHINEAS CHAPMAN LOUNSBURY, LL. D.,

257 Broadway, New York, N. Y.

GEORGE SILAS COLEMAN, M. A.,

2 Tryon Row, New York, N. Y.

JOHN EDGAR LEAYCRAFT,

311 West End Ave., New York, N. Y.

CYRUS DANIEL JONES,

Scranton, Pa.

§ WEBSTER ROGERS WALKLEY, M. A.,

27 Murray St., New York, N. Y.

* Deceased.

§ FREDERIC WILCOX CLARKE, B. S.,
104 South St., Boston, Mass.

† REV. DANIEL CLARK KNOWLES, D. D.,
Tilton, N. H.

† REV. FRANK MASON NORTH, D. D.,
150 Fifth Ave., New York, N. Y.

† REV. ISAAC HARRISON WHITTIER WHARFF, D. D.,
Winterport, Me.

† REV. WILBUR FISK HOLMES, M. A.,
Kennebunk, Me.

TERM EXPIRES IN 1910.

REV. BP. CYRUS DAVID FOSS, D. D., LL. D.,
2043 Arch St., Philadelphia, Pa.

REV. BP. EDWARD GAYER ANDREWS, D. D., LL. D.,
47 Brevoort Place, Brooklyn, N. Y.

REV. JOSEPH ELIJAH KING, Ph. D., D. D.,
Fort Edward, N. Y.

REV. WILLIAM VALENTINE KELLEY, D. D.,
150 Fifth Ave., New York, N. Y.

HON. WATSON CARVOSSO SQUIRE, B. A.,
Seattle, Wash.

ALBERT RANDOLPH CRITTENDEN,
Middletown.

JOHN GRIBBELL,
1513 Race St., Philadelphia, Pa.

JAMES GARDNER SHEPHERD,
Scranton, Pa.

§ STEPHEN HENRY OLIN, LL. D.,
32 Nassau St., New York, N. Y.

§ CHARLES SCOTT, M. A.,
Overbrook, Pa.

† REV. ANDREW JACKSON COULTAS, JR., D. D.,
92 Comstock Ave., Providence, R. I.

† REV. WILLIAM JOHN CHAPMAN, M. A.,
Crown Point, N. Y.

WESLEYAN UNIVERSITY.

TERM EXPIRES IN 1911.

HON. DAVID WARD NORTHROP, M. A.,
Middletown.

CEPHAS BRAINERD ROGERS,
Meriden.

JOHN EMORY ANDRUS, B. A.,
299 Broadway, New York, N. Y.

HENRY HOBART BENEDICT,
216 Bishop St., New Haven.

CHARLES GIBSON,
Albany, N. Y.

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
16 Court St., Brooklyn, N. Y.

§ GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

† REV. JAMES MARCUS KING, D. D., LL. D.,
1026 Arch St., Philadelphia, Pa.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
Penn Yan, N. Y.

TRUSTEES ELECT:

TERM BEGINS IN 1907.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

HENRY CRUISE MURPHY INGRAHAM, LL. D.,
16 Court St., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

SAMUEL WOOD BOWNE,
Pearl and Rose Sts., New York, N. Y.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, LL. D.,
Newport, R. I.

§ REV. DAVID GEORGE DOWNEY, D. D.,
530 Bedford Ave., Brooklyn, N. Y.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the Monday preceding the annual Commencement.

COMMITTEES OF THE BOARD OF TRUSTEES.

GENERAL EXECUTIVE COMMITTEE.

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

REV. AZEL WASHBURN HAZEN, D. D.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

JOHN EMORY ANDRUS, B. A.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

REV. DAVID GEORGE DOWNEY, D. D.

STEPHEN HENRY OLIN, LL. D.

REV. FRANK MASON NORTH, D. D.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

WESLEYAN UNIVERSITY.

LOCAL EXECUTIVE COMMITTEE.

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

REV. AZEL WASHBURN HAZEN, D. D.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

FINANCE COMMITTEE.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

REV. CHARLES HENRY BUCK, D. D.

CHARLES LEE ROCKWELL.

COMMITTEE ON THE BOARD OF INSTRUCTION.

REV. BP. CYRUS DAVID FOSS, D. D., LL. D.

STEPHEN HENRY OLIN, LL. D.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.

REV. WARREN LANNING HOAGLAND, D. D.

REV. FRANK MASON NORTH, D. D.

REV. WILLIAM VALENTINE KELLEY, D. D.

VISITING COMMITTEE.

REV. DAVID GEORGE DOWNEY, D. D.

REV. ANDREW JACKSON COULTAS, Jr., D. D.

CHARLES SCOTT, M. A.

FACULTY.

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.,
PRESIDENT,
AND A. V. STOUT PROFESSOR OF MORAL PHILOSOPHY.
(S. C.) 325 High St.

JOHN MONROE VAN VLECK, LL. D.,
FISK PROFESSOR OF MATHEMATICS AND ASTRONOMY, *Emeritus.*
168 Church St.

REV. WILLIAM NORTH RICE, PH. D., LL. D.,
G. I. SENEY PROFESSOR OF GEOLOGY.
(11 J. H.) 31 College Place.

WILBUR OLIN ATWATER, PH. D.,
BEACH PROFESSOR OF CHEMISTRY.
226 Washington St.

CALEB THOMAS WINCHESTER, L. H. D.,
OLIN PROFESSOR OF ENGLISH LITERATURE.
(21 F. H.) 342 High St.

MORRIS BARKER CRAWFORD, M. A.,
FOSS PROFESSOR OF PHYSICS.
(38 S. L.) 197 High St.

HERBERT WILLIAM CONN, PH. D.,
DANIEL AYRES PROFESSOR OF BIOLOGY.
(5 J. H.) 167 High St.

ANDREW CAMPBELL ARMSTRONG, PH. D.,
WILLIAM GRIFFIN PROFESSOR OF PHILOSOPHY.
(26 F. H.) 166 High St.

WESLEYAN UNIVERSITY.

WILLIAM EDWARD MEAD, PH. D.,
WAITE PROFESSOR OF THE ENGLISH LANGUAGE.
(27 F. H.) 165 Broad St.

KARL POMEROY HARRINGTON, M. A.,
ROBERT RICH PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.
(30 F. H.) 203 High St.

WILLIAM JOHN JAMES, M. A.,
LIBRARIAN.
(Library) 162 Church St.

FRANK WALTER NICOLSON, M. A.,
SECRETARY OF THE FACULTY, AND ASSOCIATE PROFESSOR OF LATIN.
(S. C.) 311 High St.

WALTER PARKE BRADLEY, PH. D.,
PROFESSOR OF CHEMISTRY.
(Chem. Lab.) 256 College St.

OSCAR KUHN, L. H. D.,
HOLLIS PROFESSOR OF ROMANCE LANGUAGES.
(38 F. H.) 170 High St.

* * * * *

CHARLOTTE AUGUSTA AYRES PROFESSOR OF PHYSICS.

THOMAS EMERY MCKINNEY, PH. D.,
ASSOCIATE PROFESSOR OF MATHEMATICS.
5 Brainerd Ave.

WILLARD CLARK FISHER, B. A.,
PROFESSOR OF ECONOMICS AND SOCIAL SCIENCE.
(33 F. H.) 25 College Place.

WILLIAM ARTHUR HEIDEL, PH. D.,
JANE A. SENEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.
(35 F. H.) Lawn Ave.

WESLEYAN UNIVERSITY.

II

FRANCIS GANO BENEDICT, PH. D.,

PROFESSOR OF CHEMISTRY.

(2 J. H.) 297 College St.

RAYMOND DODGE, PH. D.,

PROFESSOR OF PSYCHOLOGY.

(22 F. H.) 107 Lawn Ave.

JOHN WESLEY WETZEL, PH. B.,

INSTRUCTOR IN PUBLIC SPEAKING.

16 Dwight St., New Haven.

WALTER GUYTON CADY, PH. D.,

ASSOCIATE PROFESSOR OF PHYSICS.

(14 S. L.) 100 High St.

ROBERT HERNDON FIFE, JR., PH. D.,

MARCUS L. TAFT PROFESSOR OF THE GERMAN LANGUAGE AND LITERATURE.

(34 F. H.) 240 College St.

RALPH CLEWELL SUPER, M. A.,

INSTRUCTOR IN MODERN LANGUAGES.

20 O. H.

ROBERT ALLYN BUDINGTON, M. A.,

INSTRUCTOR IN BIOLOGY.

17 O. H.

ROSWELL POWELL STEPHENS, PH. D.,

INSTRUCTOR IN MATHEMATICS.

16 O. H.

GEORGE MATTHEW DUTCHER, PH. D.,

HEDDING PROFESSOR OF HISTORY.

(16 F. H.) 19 O. H.

JOSEPH WILLIAM HEWITT, PH. D.,

ASSOCIATE PROFESSOR OF LATIN AND GREEK.

308 William St.

WESLEYAN UNIVERSITY.

SAMUEL WARD LOPER, M. A.,

CURATOR OF THE MUSEUM.

(13 J. H.) 287 College St.

HOWARD ROLAND REITER, B. A.,

DIRECTOR OF THE GYMNASIUM.

(Gymnasium) Home Ave.

CLARENCE FREDERIC HALE, B. S.,

ASSISTANT IN CHEMISTRY.

52 Church St.

THORNE MARTIN CARPENTER, B. S.,

ASSISTANT IN CHEMISTRY.

64 Church St.

ALBERT DAVIS, PH. D.,

ASSISTANT IN ENGLISH.

174 Church St.

HAROLD DEFOREST ARNOLD, PH. F.

ASSISTANT IN PHYSICS.

13 O. H.

ADRIENNE VAN WINKLE,

ASSISTANT LIBRARIAN.

68 Crescent St.

MARY ABBIE RICHARDSON,

ASSISTANT IN THE LIBRARY.

Cobalt.

JULIA BRAZOS, PH. B.,

DEAN OF WOMEN.

274 High St.

COMMITTEES OF THE FACULTY.

COURSE OF STUDY.

PRESIDENT RAYMOND, PROFESSORS J. M. VAN VLECK, WINCHESTER,
CONN, ARMSTRONG, KUHN, HEIDEL.

GRADUATE STUDY.

PROFESSORS RICE, CRAWFORD, ARMSTRONG.

ADMINISTRATION.

PRESIDENT RAYMOND, PROFESSOR RICE, MR. JAMES,
PROFESSORS NICOLSON, BRADLEY.

CONFERENCE WITH STUDENTS.

PRESIDENT RAYMOND, PROFESSORS CRAWFORD, CONN,
NICOLSON, BRADLEY, DODGE.

CATALOGUE.

MR. JAMES (Editor); PROFESSORS HARRINGTON, NICOLSON, CADY.

BULLETIN.

PROFESSORS WINCHESTER, MEAD, DUTCHER, HEWITT.

LECTURES.

PRESIDENT RAYMOND, PROFESSORS BENEDICT, CADY, DUTCHER.

ATHLETIC AND MUSICAL ORGANIZATIONS.

PROFESSORS NICOLSON, DODGE, FIFE.

PUBLIC LITERARY EXERCISES.

PROFESSORS WINCHESTER, MEAD, FISHER, FIFE, DUTCHER.

SPECIAL HONORS.

PROFESSORS RICE, FISHER, HEIDEL, CADY.

LOANS, EVANS AND LOVELAND SCHOLARSHIPS.

PRESIDENT RAYMOND, MR. JAMES, PROFESSOR NICOLSON.

STUDENTS.

GRADUATE STUDENTS.

NAMEs.	RESIDENCES.	ROOMS.
SQUIRE SCHOLAR.		
Frank Egleston Robbins, B. A.,	<i>Westfield, Mass.</i>	<i>B. O. H. House.</i>
LATIN, GREEK.		
Harold DeForest Arnold, Ph. B.,	<i>Middletown.</i>	<i>13 O. H.</i>
PHYSICS.		
Frank Pearl Fletcher, M. A.,	<i>Plymouth, N. H.</i>	<i>17 Brainerd Ave.</i>
CHEMISTRY, BIOLOGY.		
Wilford Hicks, B. A. (St. Stephen's College),		
PHILOSOPHY.	<i>Hastings, Mich.</i>	<i>Berkeley Divinity School.</i>
Carlos Eugene Jones, B. A. (Trinity College),		
	<i>Independence, Iowa.</i>	<i>Berkeley Divinity School.</i>
ENGLISH LITERATURE, ENGLISH LANGUAGE, ROMANCE LANGUAGES.		
Winfield Scott Manship, Ph. D. (Yale University),		
	<i>Middlefield.</i>	<i>Middlefield.</i>
GERMAN, ROMANCE LANGUAGES, PHILOSOPHY.		
Victor Caryl Myers, B. A.,	<i>Buskirk, N. Y.</i>	<i>State Hospital.</i>
CHEMISTRY.		
William Treacey Weston, B. A. (St. Stephen's College),		
PHILOSOPHY.	<i>Stottville, N. Y.</i>	<i>Berkeley Divinity School.</i>
Frederick Warren Wright, B. A.,	<i>Portland.</i>	<i>Portland.</i>
GREEK.		

SENIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
Benjamin Pettengill Adams,	<i>Rochester, N. Y.</i>	2 O. H.
Harold Douglass Allen,	<i>Burnside.</i>	14 O. H.
Ray Rood Allen,	<i>West Nanticoke, Pa.</i>	14 O. H.
§ Hiland Garfield Batcheller,	<i>Fort Edward, N. Y.</i>	Y. Y. House.
§ Joseph Clair Beebe,	<i>Meriden.</i>	A. Δ. Φ. House.
† Adolph Burnett Benson,	<i>Berlin.</i>	<i>Berlin.</i>
Frank Asa Berry,	<i>Danbury.</i>	Y. Y. House.
Russell Forrest Bower,	<i>Milwaukee, Wis.</i>	A. Δ. Φ. House.
Ernest Lyman Bragg,	<i>Hudson, N. H.</i>	B. Θ. Π. House.
§ Ralph Snow Carpenter,	<i>Milton, Mass.</i>	B. Θ. Π. House.
Herbert Clayton Chamberlain,	<i>New York, N. Y.</i>	A. Δ. Φ. House.
§ Joseph Wardell Chasey,	<i>N. Long Branch, N. J.</i>	<i>Mt. Vernon St.</i>
† Carl Willis Clark,	<i>Westville Center, N. Y.</i>	Δ. K. E. House.
† John Scarlett Clarke,	<i>West Orange, N. J.</i>	Y. Y. House.
Howard Albert Corey,	<i>Farmington, Me.</i>	<i>Ivy Hall.</i>
† Charles George Crane,	<i>Newark, N. J.</i>	A. Δ. Φ. House.
Benjamin Franklin Dickisson,	<i>East Stroudsburg, Pa.</i>	<i>South College.</i>
† Leonard Seaman Downey,	<i>Flushing, N. Y.</i>	Δ. K. E. House.
† William Guy Fellows,	<i>Oneonta, N. Y.</i>	Δ. T. Δ. House.
Edwin Anderson Field,	<i>Stamford.</i>	<i>Ivy Hall.</i>
§ Raymond Lalor Forman,	<i>Trenton, N. J.</i>	A. Δ. Φ. House.
§ Thomas Baker Gibb,	<i>Philadelphia, Pa.</i>	Δ. T. Δ. House.
Harry Miles Gordy,	<i>Salisbury, Md.</i>	K. P. Σ. House.
§ Arthur Benjamin Haley,	<i>Portland, Me.</i>	B. Θ. Π. House.
Joseph Willis Hawley,	<i>Dorrancton, Pa.</i>	B. Θ. Π. House.
Arthur Percy Hickcox,	<i>Watertown.</i>	Δ. K. E. House.
Harold McIlveen Horton,	<i>East Greenwich, R. I.</i>	2 O. H.
Herbert Nagle Howard,	<i>Middletown.</i>	Δ. T. Δ. House.
§ George Henry Ingraham,	<i>Brattleboro, Vt.</i>	<i>Ivy Hall.</i>
§ Edward Allen Jennings,	<i>New York, N. Y.</i>	17 Brainerd Ave.
Harry Wellington Laidler,	<i>Brooklyn, N. Y.</i>	<i>Ivy Hall.</i>

NAMES.	RESIDENCES.	ROOMS.
§ Adelbert Llewellyn Leathers,	<i>South Orrington, Me.</i>	<i>Ivy Hall.</i>
Earle Leslie Legg,	<i>Roslindale, Mass.</i>	<i>Δ. K. E. House.</i>
Clarence Paul McClelland,	<i>Dobbs Ferry, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Olin Foss McCormick,	<i>Hartford.</i>	<i>Ψ. Υ. House.</i>
Henry Trumbower MacLean,	<i>Hackettstown, N. J.</i>	<i>B. Θ. Π. House.</i>
§ Floyd Josiah Miller,	<i>Oneonta, N. Y.</i>	<i>K. P. Σ. House.</i>
† George Lewis Mylchreest,	<i>Middletown.</i>	<i>9 Brainerd Ave.</i>
† Walter Charles North,	<i>Syracuse, N. Y.</i>	<i>Ψ. Υ. House.</i>
Joseph Walter Northrop, Jr.,	<i>Bridgeport.</i>	<i>Δ. T. Δ. House.</i>
Walter Patten,	<i>Calypso, N. C.</i>	<i>A. Δ. Φ. House.</i>
Charles John Peterson,	<i>Worcester, Mass.</i>	<i>B. Θ. Π. House.</i>
† William Harold Peterson,	<i>Pine Bush, N. Y.</i>	<i>6 O. H.</i>
Earle Linus Rich,	<i>Cattaraugus, N. Y.</i>	<i>Ψ. Υ. House.</i>
Howard Arnold Seckerson,	<i>Brooklyn, N. Y.</i>	<i>15 O. H.</i>
§ Arthur Seybolt,	<i>Oneonta, N. Y.</i>	<i>X. Ψ. Lodge.</i>
Rosevelt Rensselaer Sherwood,	<i>Albany, N. Y.</i>	<i>Ivy Hall.</i>
Young Chalmers Smith,	<i>Middlebury, Vt.</i>	<i>Δ. K. E. House.</i>
§ Lorenzo Collington Streeter,	<i>Troy, N. Y.</i>	<i>X. Ψ. Lodge.</i>
Jesse Merrill Tebbetts,	<i>Marshfield, Vt.</i>	<i>Δ. T. Δ. House.</i>
§ Harry Phillips Trevithick,	<i>Middletown.</i>	<i>243 College St.</i>
Frank Adolph Van Sciver,	<i>Philadelphia, Pa.</i>	<i>Ivy Hall.</i>
Daniel Wilkins,	<i>Belchertown, Mass.</i>	<i>15 O. H.</i>
§ Addison Wetherald Williamson,	<i>Waterport, N. Y.</i>	<i>Ivy Hall.</i>
† Daniel Woodhead,	<i>Dorchester, Mass.</i>	<i>B. Θ. Π. House.</i>
§ Alice Mabel Bock,	<i>Meriden.</i>	<i>274 High St.</i>
§ Elizabeth Pauline Bransfield,	<i>Portland.</i>	<i>274 High St.</i>
† Elizabeth Dunham Clark,	<i>Meriden.</i>	<i>274 High St.</i>
§ Clara Ella Lang,	<i>Providence, R. I.</i>	<i>274 High St.</i>
§ Marguerite Genevieve Lawton,	<i>Middletown.</i>	<i>146 Broad St.</i>
Frances Teresa Nejako,	<i>Middletown.</i>	<i>71 William St.</i>
† Mima Bailey Turner,	<i>Middletown.</i>	<i>28 Durham Ave.</i>
Marietta Josephine Wetterau,	<i>Hazleton, Pa.</i>	<i>274 High St.</i>

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
§ Lewis Allen, Jr.,	Meriden.	X. Y. Lodge.
§ Kenneth Noël Atkins,	Middletown.	37 South Main St.
† Wesley Converse Atkins,	Cabot, Vt.	Ivy Hall.
† Ernest Hall Buell,	Terryville.	Ivy Hall.
Edgar Adamson Butters,	Newton, Mass.	Δ. K. E. House.
† Clarence Emory Carter,	Chagrin Falls, O.	Δ. T. Δ. House.
Orliff Van Heik Chase,	Catskill, N. Y.	Δ. T. Δ. House.
George Forrest Chichester,	Patchogue, N. Y.	B. Θ. Π. House.
Harold Deming Clark,	East Haven.	Δ. K. E. House.
Charles Fremont Cleaveland, Jr.,	Windsor Locks.	Δ. K. E. House.
§ Harold Joel Conn,	Middletown.	B. Θ. Π. House.
Clifford Olin Corwin,	Mount Vernon, N. Y.	X. Y. Lodge.
† George Bliss Crafts,	Mattapan, Mass.	B. Θ. Π. House.
† Frederick North Crawford,	Middletown.	197 High St.
Leon Hilliard Curtice,	New Rochelle, N. Y.	313 William St.
Raymond Scofield Curtice,	New Rochelle, N. Y.	313 William St.
† Lawrence Alexander Davis,	Mount Vernon, N. Y.	Y. T. House.
§ John Crane Day,	Morristown, N. J.	A. Δ. Φ. House.
§ Walter Everett Doe.	Exeter, N. H.	South College.
Howard Raymond Doty,	Parsons, Pa.	B. Θ. Π. House.
§ Gordon Clark Douglass,	Brookline, Mass.	South College.
§ Harry Aytoun Dresser,	Spencer, N. Y.	Y. T. House.
Russell Goodier Dunmore,	Utica, N. Y.	A. Δ. Φ. House.
Charles Franklin Edsall,	Newark, N. J.	South College.
† Robert Ephraim Finlay,	Amherst Head, N. S.	Gymnasium.
Floyd William Foster,	Thomaston.	South College.
§ Donald Monroe Gilbert,	Madisonville, O.	Δ. K. E. House.
† Willard Harvey Gildersleeve,	Gildersleeve.	240 Court St.
Frederick Herbert Gilman,	Winterport, Me.	Δ. K. E. House.
Philip Lombard Given,	Newark, N. J.	South College.
† Harold Clark Grant,	Meriden.	Y. T. House.
Charles Edward Graves,	Hatfield, Mass.	K. P. Σ. House.
Edward Bivens Gray,	Port Murray, N. J.	A. Δ. Φ. House.
§ Paul Miller Held,	Akron, O.	Y. T. House.

NAMES.	RESIDENCES.	ROOMS.
† George Sylvester Hull,	Clinton.	Y. Y. House.
§ Ernest Alexander Inglis,	Middletown.	236 William St.
Walter Ricketson Mitchell,	New Bedford, Mass.	K. P. S. House.
§ Samuel Booth Moore, Jr.,	Brooklyn, N. Y.	Y. Y. House.
§ Clarence Augustus Munson,	Amityville, N. Y.	B. O. II. House.
Raymond Silas Munson,	Windham, N. Y.	Y. Y. House.
† Arthur Buckbee Nicholls,	Bridgeport.	B. O. II. House.
§ Lansing David Odell,	Norwalk.	Y. Y. House.
Herbert Parsons Patterson,	Portland.	13 Foss House.
§ William Robinson Pillsbury,	Waban, Mass.	Eclectic House.
Arthur Gerald Hubert Power,	St. Louis, Mo.	Chaffee Hotel.
§ Augustus Glover Purvis,	Charleston, S. C.	8 Foss House.
† Roscoe Hiram Remick,	New Sharon, Me.	Gymnasium.
† Robert Waterman Rice,	Boston, Mass.	Δ. K. E. House.
§ Frank Warren Roberts,	East Dover, Vt.	Δ. T. Δ. House.
§ Harold Gale Rogers,	Meriden.	Y. Y. House.
* † Robert Clark Russell,	Kents Hill, Me.	Δ. T. Δ. House.
§ Leonard Osborne Ryan,	Middletown.	241 Court St.
Truman Bartlett Sage,	East Haven.	Δ. K. E. House.
† Leonard James Selden,	Haddam Neck.	Δ. T. Δ. House.
† Frederick Elisha Shapleigh,	East Rochester, N. H.	Ivy Hall.
§ Robert Leroy Simpson,	Northport, N. Y.	Δ. T. Δ. House.
Lewis Knapp Smith,	Fort Salonga, N. Y.	Δ. T. Δ. House.
Frederic Howard Stewart,	Roxbury, Mass.	Eclectic House.
† Frank Bradford Taylor,	Cambridge, Mass.	South College.
§ Gilbert Haven Thirkield,	Washington, D. C.	South College.
James Simpson Thomas,	Atlanta, Ga.	8 Foss House.
§ Rufus Harold Tilton,	Lynn, Mass.	B. O. II. House.
George Benjamin Tompkins,	Spencer, N. Y.	Gymnasium.
John Barwis Van Horn,	Springfield, Mass.	Δ. K. E. House.
Randolph Dykeman West,	Deal, N. J.	A. Δ. Φ. House.
† William Crawford White,	Hoboken, N. J.	South College.
† Harold Burton Woodward,	Terryville.	K. P. S. House.
George William Wriston,	Springfield, Mass.	Δ. T. Δ. House.
§ Carl Roland Yanson,	Long Island City, N. Y.	South College.
Unade Barnes,	Middletown.	18 Burr Ave.
Elizabeth Norton Sweet,	Middletown.	274 High St.

* Deceased.

SOPHOMORE CLASS.

Names.	Residences.	Rooms.
Ernest Francis Amy,	East Bangor, Pa.	Ivy Hall.
§ Raimond Duy Baird,	New York, N. Y.	B. Θ. Π. House.
Percival Haven Baker,	Rockland, Me.	Δ. T. Δ. House.
§ William Rinehart Barbour,	Bristol, Ind.	Υ. Υ. House.
Stanley Gilman Barker,	Worcester, Mass.	Δ. K. E. House.
† Frisbie Jay Bates,	Stamford.	K. P. Σ. House.
§ Gilbert Haven Bishop,	Glyndon, Md.	A. Δ. Φ. House.
§ Raymond Hills Brewer,	East Hartford.	B. Θ. Π. House.
Charles Pratt Canham,	Saco, Me.	250 High St.
§ Frank Everett Carruth,	Cohoes, N. Y.	Ivy Hall.
Roy Bullard Chamberlin,	Kingston, Pa.	Υ. Υ. House.
§ Herbert Lee Connelly,	Upper Montclair, N. J.	250 High St.
§ James Franklin Cowan,	Boston, Mass.	A. Δ. Φ. House.
John Henry Cox,	Wilkes-Barre, Pa.	Υ. Υ. House.
† Clarence Mulford Day,	Morristown, N. J.	A. Δ. Φ. House.
† Rollin Colegrove Dean,	Summit, N. J.	Υ. Υ. House.
† Edmund Doremus,	Montclair, N. J.	250 High St.
John Gottfried Frey,	Luzerne, Pa.	K. P. Σ. House.
Frederic Squires Gorham,	Highwood.	X. Υ. Lodge.
Harry Alexander Grant,	West Roxbury, Mass.	Ivy Hall.
Arthur Rollins Graves,	East Walpole, Mass.	Gymnasium.
† Horace Stanton Griffing,	New York, N. Y.	Δ. K. E. House.
William Morgan Grigson,	S. Framingham, Mass.	Δ. T. Δ. House.
† Harold Seymour Guy,	South Farms.	X. Υ. Lodge.
† Raymond Israel Hall,	Mill Hall, Pa.	Home Ave.
† Maurice Adelbert Hammond,	Saratoga Spa, N. Y.	Gymnasium.
§ John Tiebout Hancock,	Brooklyn, N. Y.	Υ. Υ. House.
† Albert Folsom Harlow,	Bridgeport.	B. Θ. Π. House.
† John Tooke Harp,	Oneonta, N. Y.	Ivy Hall.
George Milton Harris,	Cambridge, Mass.	X. Υ. Lodge.
John Walter Hart,	Bristol.	K. P. Σ. House.

NAMES.	RESIDENCES.	ROOMS.
† Frank Lewis Hewitt,	<i>Winsted.</i>	<i>107 Brond St.</i>
† Walter Raymond Hick,	<i>Portland.</i>	<i>K. P. Σ. House.</i>
† Paul Stanley Hopkins,	<i>Peking, China.</i>	<i>Δ. T. Δ. House.</i>
† William Leigh Pierce Jackson,	<i>Middletown.</i>	<i>A. Δ. Φ. House.</i>
§ Robert Malcolm Keir,	<i>Seymour.</i>	<i>X. Ψ. Lodge.</i>
† Sidney Edwin Kent,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
Frank Howard Kidder,	<i>Winsted.</i>	<i>44 Mt. Vernon St.</i>
Harold Clarence Kilborn,	<i>Union, N. Y.</i>	<i>B. Θ. Π. House.</i>
† Whitney Kipp,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
† William Ernest Leighton,	<i>Portland, Me.</i>	<i>Δ. T. Δ. House.</i>
Waldo Bross MacLean,	<i>New York, N. Y.</i>	<i>270 College St.</i>
Frederic Louis Maxim,	<i>New York, N. Y.</i>	<i>270 College St.</i>
§ Arthur Henry Middlemass,	<i>New Britain.</i>	<i>171 High St.</i>
† Carleton Friend Miller,	<i>Wallingford.</i>	<i>K. P. Σ. House.</i>
§ David DeWitt Miller,	<i>Greenwich.</i>	<i>Δ. T. Δ. House.</i>
Ralph Emerson Myers,	<i>Buskirk Bridge, N. Y.</i>	<i>Ivy Hall.</i>
Eric McCoy North,	<i>New York, N. Y.</i>	<i>311 High St.</i>
† William Henry Odell, Jr.,	<i>Norwalk.</i>	<i>Δ. K. E. House.</i>
John Gregg Paine,	<i>Columbia, Pa.</i>	<i>X. Ψ. Lodge.</i>
Robert Nelson Patterson,	<i>Portland.</i>	<i>13 Foss House.</i>
§ Charles Sylvester Preble,	<i>Harrington, Me.</i>	<i>171 High St.</i>
† Chester Allen Rich,	<i>Provincetown, Mass.</i>	<i>K. P. Σ. House.</i>
George Wilson Roberts,	<i>Wethersfield.</i>	<i>Wethersfield.</i>
Frank Alton Shailer,	<i>New Britain.</i>	<i>Home Ave.</i>
† Melvin Asa Shaw,	<i>East Longmeadow, Mass.</i>	<i>Ivy Hall.</i>
Clarence McKinlay Sherwood,	<i>Albany, N. Y.</i>	<i>Ivy Hall.</i>
Finley Hall Shiland,	<i>Cambridge, N. Y.</i>	<i>12 Foss House.</i>
Henry Robertson Skeel,	<i>New York, N. Y.</i>	<i>X. Ψ. Lodge.</i>
§ George Batchelder Soule,	<i>Montclair, N. J.</i>	<i>250 High St.</i>
† Charles West Sprague,	<i>Montclair, N. J.</i>	<i>250 High St.</i>
§ Frank Hatch Streightoff,	<i>Montclair, N. J.</i>	<i>Ivy Hall.</i>
† Willis Mitchell Tate,	<i>Waterbury.</i>	<i>Δ. K. E. House.</i>
† Thomas Jarvis Taylor,	<i>New Haven.</i>	<i>9 Foss House.</i>
William Elmer Traxler,	<i>Rohrsburg, Pa.</i>	<i>12 Foss House.</i>
† Montgomery Rea Trimmer,	<i>Hackettstown, N. J.</i>	<i>X. Ψ. Lodge.</i>
Horace Glenn White,	<i>Brooklyn, N. Y.</i>	<i>K. P. Σ. House.</i>
§ Clinton Fiske Wilding,	<i>Paterson, N. J.</i>	<i>Ψ. Υ. House.</i>
§ William Rulon Williamson,	<i>Waterport, N. Y.</i>	<i>Ivy Hall.</i>

NAMES.	RESIDENCES.	ROOMS.
§ Stanley Davis Wilson,	<i>Searsmont, Me.</i>	<i>Ivy Hall.</i>
† Wilhelm Albert Wintter,	<i>Bridgeport.</i>	<i>Y. Y. House.</i>
Harvey Alden Wooster,	<i>New Britain.</i>	<i>Ivy Hall.</i>
† Ethel Clara Burr,	<i>Higganum.</i>	<i>274 High St.</i>
† Anna Belle Knowles,	<i>Springfield, Mass.</i>	<i>39 Park Pl.</i>
§ Rosa Mary Palladino,	<i>Montclair, N. J.</i>	<i>274 High St.</i>
Carrie Belle Spafard,	<i>Glastonbury.</i>	<i>31 Broad St.</i>



FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
§ Charles Lacey Adkins, Jr.,	<i>Binghamton, N. Y.</i>	<i>13 Cross St.</i>
William Ketcham Anderson,	<i>Ossining, N. Y.</i>	<i>84 Lawn Ave.</i>
§ Roger Whiting Bacon,	<i>Middletown.</i>	<i>Y. Y. House.</i>
† Robert Edwin Beaton,	<i>Woburn, Mass.</i>	<i>217 College St.</i>
† Milton Lanyon Bennett,	<i>South Meriden.</i>	<i>51 Wyllys Ave.</i>
† Sanford Tiffany Bennett,	<i>New York, N. Y.</i>	<i>286 William St.</i>
Walter Parks Bliss,	<i>Montclair, N. J.</i>	<i>X. Y. Lodge.</i>
† Cecil Raymond Bogart,	<i>Chester.</i>	<i>14 Foss House.</i>
Harold Morton Bower,	<i>Milwaukee, Wis.</i>	<i>109 Lawn Ave.</i>
§ Robert Archer Bowlby,	<i>Somerville, Mass.</i>	<i>37 Park Place.</i>
Darrell Sully Boyd,	<i>Rochester, N. Y.</i>	<i>22 Wyllys Ave.</i>
George Swift Brengle,	<i>Amenia Union, N. Y.</i>	<i>301 College St.</i>
Robert Parsons Bridge,	<i>Hazardville.</i>	<i>198 College St.</i>
† Harlow Butterfield Bristol,	<i>Washington, D. C.</i>	<i>318 William St.</i>
Raymond Shiland Brown,	<i>Tottenville, N. Y.</i>	<i>69 Lawn Ave.</i>
John Porter Burnham,	<i>North Windham.</i>	<i>22 Wyllys Ave.</i>
§ Roy Livingston Burns,	<i>Port Chester, N. Y.</i>	<i>282 William St.</i>
† George Everett Caswell,	<i>New Bedford, Mass.</i>	<i>37 Park Place.</i>
§ Raymond Vincent Cramer,	<i>Portland.</i>	<i>Portland.</i>
§ Harry Sanford Crossett,	<i>East Norwalk.</i>	<i>15 Foss House.</i>
† Charles Edward Dailey,	<i>Hampton, N. Y.</i>	<i>B. O. H. House.</i>
§ Donald James Demarest,	<i>Brooklyn, N. Y.</i>	<i>305 William St.</i>
§ Paul Gill Dennis,	<i>Newark, N. J.</i>	<i>305 William St.</i>
† Earl DeWitt Deremer,	<i>Hackettstown, N. J.</i>	<i>70 Loveland St.</i>
§ William Earl Dunmore,	<i>Utica, N. Y.</i>	<i>313 William St.</i>
George Hoyt Emery,	<i>Bridgeport.</i>	<i>35 Park Place.</i>
§ Robert Everitt,	<i>Paterson, N. J.</i>	<i>37 Park Place.</i>
§ Thomas Charles Flood,	<i>Portland.</i>	<i>Portland.</i>
§ Willis Alexander Gibbons,	<i>Long Island City, N. Y.</i>	<i>13 Cross St.</i>
§ Raymond Livingston Gillispie,	<i>New York, N. Y.</i>	<i>11 Pearl St.</i>

NAMES.	RESIDENCES.	ROOMS.
† Russell Donohugh Hamilton,	Philadelphia, Pa.	Δ. K. E. House.
§ Warren Wilmot Hamilton,	Philadelphia, Pa.	Δ. K. E. House.
Edward Raymond Hance,	Wharton, N. J.	20 Brainerd Ave.
§ Edwin Thomas Harman,	New Rochelle, N. Y.	217 College St.
† Francis Seymour Haynes,	Poughkeepsie, N. Y.	217 College St.
† Julian Stevens Hayward,	Middletown.	288 College St.
§ Howard Levering Hill,	Morristown, Tenn.	301 College St.
§ Winfred Byron Holton, Jr.,	Indianapolis, Ind.	11 Pearl St.
† Seward Frederic Hull,	Clinton.	109 Lawn Ave.
§ William Ludlow James,	Montclair, N. J.	Δ. T. Δ. House.
† Arthur Bates Jennings, Jr.,	New York, N. Y.	17 Brainerd Ave.
† Harrison William Johnson,	Sugar Grove, Pa.	14 Foss House.
Jason Shepherd Joy,	Oswego, N. Y.	11 Pearl St.
† Silas Stanley Kent,	Cazenovia, N. Y.	282 William St.
† Royal E LaGrange,	Lyon Mt., N. Y.	Δ. K. E. House.
† Charles Lull LaMonte,	Sayre, Pa.	37 Park Place.
Arthur Lamont Leech,	Kennebunkport, Me.	79 Washington St.
§ Frank George Meredith,	Lynn, Mass.	X. Y. Lodge.
Howard Butler Merritt,	Princeton, N. J.	286 William St.
Henry Vincent Edwards Mitchell,	West Pittston, Pa.	X. Y. Lodge.
Robert Cornelius Montgomery,	Stamford.	Ψ. Y. House.
† Arthur Clyde Moore,	Atlanta, Ga.	305 William St.
Alfred Douglass Moore,	Wellsburg, W. Va.	250 High St.
Ernest Frederick Neumann, Jr.,	New Britain.	301 College St.
† John Joseph Norton,	Boston, Mass.	217 College St.
† Charles Haverly Oswald,	Rensselaerville, N. Y.	K. P. Σ. House.
† Gerald Andrus Palmer,	Poughkeepsie, N. Y.	217 College St.
§ David Patten,	Brookline, Mass.	41 Broad St.
§ Harrison Edgar Persons,	Maynard, Mass.	34 Pleasant St.
§ Harry Hathaway Pethick,	Tyler Hill, Pa.	X. Y. Lodge.
† Peter August Pfeiffer,	Hoboken, N. J.	70 Loveland St.
Enos Burdette Potter,	Comstock's Bridge.	217 College St.
† Samuel Powell,	Clearfield, Pa.	Δ. Δ. Φ. House.
† Benjamin Franklin Reiter,	Philadelphia, Pa.	Δ. K. E. House.
§ Paul North Rice,	Newton, Mass.	84 Lawn Ave.
§ Arnold Franklin Rich,	Barre, Mass.	X. Y. Lodge.
Jesse David Roberts,	Glens Falls, N. Y.	10 Foss House.
§ Francis Finley Robinson,	Ocean Grove, N. J.	69 Lawn Ave.

NAMES.	RESIDENCES.	ROOMS.
† Egbert August Rosenkrans,	<i>Hoboken, N. J.</i>	<i>250 High St.</i>
Harold Leverne Rotzel,	<i>Lima, N. Y.</i>	<i>301 College St.</i>
§ Frederick Earle Rowe,	<i>Meyersdale, Pa.</i>	<i>250 High St.</i>
§ Richard Homer Schmidt,	<i>Bridgeport.</i>	<i>35 Park Place.</i>
Carl Bierwirth Searing,	<i>Dover, N. J.</i>	<i>20 Brainerd Ave.</i>
William Ira Searles,	<i>Fairport, N. Y.</i>	<i>103 Main St.</i>
† Harold Hope Seeley,	<i>East Orange, N. J.</i>	<i>B. O. H. House.</i>
§ William Kenneth Sessions,	<i>Bristol.</i>	<i>X. & Lodge.</i>
† Robert Nelson Shoemaker,	<i>Newark, N. J.</i>	<i>305 William St.</i>
§ George Slate Simmons,	<i>Brooklyn, N. Y.</i>	<i>Δ. K. E. House.</i>
Frank Seymour Smith,	<i>Washington, D. C.</i>	<i>109 Lawn Ave.</i>
Irving LeRoy Smith,	<i>East Norwalk.</i>	<i>15 Foss House.</i>
George Machin Stockdale,	<i>Meriden.</i>	<i>198 College St.</i>
† Griffin B Townsend,	<i>Penn Yan, N. Y.</i>	<i>282 William St.</i>
† Henry Porter Trefethen,	<i>Kents Hill, Me.</i>	<i>79 Washington St.</i>
§ Arthur T Vanderbilt,	<i>Newark, N. J.</i>	<i>305 William St.</i>
§ Irvin Van Tassell,	<i>Newburgh, N. Y.</i>	<i>250 High St.</i>
† Henry Carlos Wilcox,	<i>Winsted.</i>	<i>11 Pearl St.</i>
† William Carroll Wilson,	<i>East Orange, N. J.</i>	<i>A. Δ. Φ. House.</i>
§ Russell Torboss Wood,	<i>Newark, N. J.</i>	<i>305 William St.</i>
† Alfred Redfield Wright,	<i>Centerbrook.</i>	<i>313 William St.</i>
† Clara Catherine Angus,	<i>Hartford.</i>	<i>274 High St.</i>
Margaret Crawford,	<i>Middletown.</i>	<i>197 High St.</i>
§ Marion Wilson Greene,	<i>Bridgeport.</i>	<i>274 High St.</i>
§ Agnes Nora Hogan,	<i>Hartford.</i>	<i>274 High St.</i>
§ Annie Bacon Lewis,	<i>Middletown.</i>	<i>23 Loveland St.</i>
§ Esther Elizabeth Parker,	<i>Naugatuck.</i>	<i>274 High St.</i>
§ Ruth Almira Swan,	<i>Middletown.</i>	<i>1 Factory St.</i>
Ruth Weeks Sykes,	<i>Whitinsville, Mass.</i>	<i>274 High St.</i>
Agnes Treadway Thompson,	<i>Middletown.</i>	<i>13 Cross St.</i>
Johanna Maria Elizabeth Zeilitz,	<i>Middletown.</i>	<i>304 William St.</i>

SPECIAL STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Thomas William Coote,	<i>Wilbraham, Mass.</i>	<i>Δ. T. Δ. House.</i>
Raymond William Cutler,	<i>Bristol, N. H.</i>	<i>37 Park Place.</i>
Carl Whitman Doxsee,	<i>Bay Shore, N. Y.</i>	<i>17 Brainerd Ave.</i>
Chester Wilson Fairlie,	<i>Newark, N. J.</i>	<i>Δ. K. E. House.</i>
Stephen Howland,	<i>Berlin, Germany.</i>	<i>Ivy Hall.</i>
Rodney Rathbone McCathran,	<i>Washington, D. C.</i>	<i>Δ. A. Δ. House.</i>
Samuel McKibbin,	<i>New York, N. Y.</i>	<i>Berkeley Div. School.</i>
Guy Vernon Sweet,	<i>Albany, N. Y.</i>	<i>K. P. Σ. House.</i>
Ralph Henry White,	<i>N. Rennington, Vt.</i>	<i>Δ. T. Δ. House.</i>
Jan Mitchell,	<i>Hartford.</i>	<i>274 High St.</i>

SUMMARY.

						MEN.	WOMEN.	TOTAL.
GRADUATE STUDENTS, -	-	-	-	-	-	9	—	9
SENIORS, - - -	-	-	-	-	-	55	8	63
JUNIORS, - - -	-	-	-	-	-	69	2	71
SOPHOMORES, - -	-	-	-	-	-	72	4	76
FRESHMEN, - - -	-	-	-	-	-	89	10	99
SPECIAL STUDENTS, -	-	-	-	-	-	9	1	10
TOTAL, - - - - -	-	-	-	-	-	303	25	328

ABBREVIATIONS.

[illegible]

GENERAL STATEMENT.

COURSES OF STUDY.—The College presents to its undergraduate students the option of three parallel courses of study, each extending through four years, named respectively the Classical Course, the Latin-Scientific Course, and the Scientific Course.

In the Classical Course, the study of Latin and Greek forms a large part of the required work of the first year. In the Latin-Scientific Course, Greek is omitted, and, in the Scientific Course, both Greek and Latin are omitted, in order to give more extended opportunity for the study of modern languages, science, and literature.

REQUIRED AND ELECTIVE STUDIES.—In each of the foregoing courses, nearly all the studies of the first year are required. In the three remaining years, the amount of required work is progressively diminished, the student being allowed to complete his quota by selecting from a wide range of elective studies. He is expected, however, to regulate his choice so that his electives will together form an harmonious and symmetrical course of study; and in no case is a student allowed to select a study which he is not, in the judgment of his instructors, qualified to pursue with advantage.

SPECIAL COURSES.—Students who do not desire to complete any one of the foregoing courses may receive instruction in such studies as they may select, provided they prove themselves, upon examination, qualified to pursue them with advantage. It should, however, be understood that this provision is intended for the benefit, not of those students who are incompetent to take one of the regular courses, but of those who have already obtained a preliminary education so thorough as to enable them to pursue with advantage extended

courses of study in particular departments. Such special students will be expected to attend all exercises assigned them, and will be subject to all the general rules of the college.

GRADUATE STUDIES.—Extended instruction is given to those who wish to pursue graduate courses of study in any of the departments. Further information concerning such graduate courses is given in the reports of the several departments on courses of instruction, and also in connection with the statement of conditions for the degrees of Master of Arts and Master of Science.



TERMS OF ADMISSION.

CLASSICAL COURSE.*

Candidates for admission to the Classical Course are examined in the following subjects:—

LATIN.—1. Latin grammar, including prosody.

2. Caesar (Gallic or Civil Wars),—90 to 120 pages. Some of the Lives of Nepos may be substituted for a part of this requirement.

3. Cicero,—six orations, preferably those against Catiline, and those for Archias and for the Manilian Law.

4. Vergil (or Ovid),—Aeneid, books I.–VI., and either the Eclogues of Vergil or 1,000 verses of Ovid.

5. Translation at sight into English of passages of Latin, both prose and poetry, of average difficulty.

6. Translation into Latin of simple English sentences and of easy narrative passages based on the prose authors read.

With the passages set under headings 5 and 6, a vocabulary of the less common words is supplied.

GREEK.—1. Greek grammar, including prosody,—Hadley-Allen's or Goodwin's.

2. Xenophon,—Anabasis, books I.–IV.

3. Homer,—Iliad, books I.–III.

4. Translation at sight of one or more passages from Xenophon.

5. Translation into Greek of easy narrative passages based on the required books of the Anabasis.

ANCIENT HISTORY AND GEOGRAPHY.—1. History of Rome to the death of Marcus Aurelius.

2. History of Greece to the capture of Corinth, 146 B. C.

3. Ancient geography.

* For announcement of prize for excellence in the studies preparatory to admission, see "Ayres Prize."

The following books are recommended as the basis of instruction in ancient history and geography:—

1. Botsford's History of Rome.
2. Botsford's History of Greece.
3. Tozer's Primer of Ancient Geography.

Familiarity with map-drawing is also especially desirable.

MATHEMATICS.—I. Algebra,—Fundamental operations, factors, common divisors and multiples, fractions, negative quantities and the interpretation of negative results, powers and roots, the binomial theorem for positive integral exponents, radicals, equations of the first and second degrees with one or more unknown quantities, putting problems into equations, ratios and proportions, arithmetical and geometrical progressions.

2. Plane geometry,—Demonstrations, constructions, and solutions of numerical problems.

ENGLISH.—Preparation in English has two main objects: (1) command of correct and clear English, spoken and written: (2) power to read with intelligence and appreciation.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of English grammar, including ordinary grammatical terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles of paragraph division and structure.

To secure the second end, the candidate is required to read the works named below under A and B. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature.

A. The candidate should read the works prescribed below with a view to understanding and enjoying them. He will be expected to show a reasonable degree of familiarity with their substance. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number set before him in the examination paper.

For students entering in 1907 and 1908:

Shakespeare's *Macbeth* and *The Merchant of Venice*; the Sir Roger de Coverley Papers in *The Spectator*; Scott's *Ivanhoe* and *The Lady*

of the Lake; Irving's Life of Goldsmith; Coleridge's The Ancient Mariner; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Lowell's The Vision of Sir Launfal; George Eliot's Silas Marner.

For students entering in 1909: *

Shakespeare's The Merchant of Venice and Julius Caesar; Bunyan's The Pilgrim's Progress (Part I.); the Sir Roger de Coverley Papers in *The Spectator*; Scott's The Lady of the Lake and Ivanhoe; Irving's Sketch Book; Macaulay's Lays of Ancient Rome; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; George Eliot's Silas Marner.

For students entering in 1910 and 1911: *

Shakespeare's The Merchant of Venice and Julius Caesar; the Sir Roger de Coverley Papers in *The Spectator*; Franklin's Autobiography; Scott's The Lady of the Lake and Ivanhoe; Hawthorne's The House of the Seven Gables; Macaulay's Lays of Ancient Rome; Tennyson's Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur; Dickens's A Tale of Two Cities.

B. The candidate should read the books prescribed below with the view of acquiring such knowledge of their contents as will enable him to answer specific questions with accuracy and some detail. The examination is not designed, however, to require minute drill in difficulties of verbal expressions, unimportant allusions, and technical details.

For students entering in 1907 and 1908:

Shakespeare's Julius Caesar; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America; Macaulay's Essay on Addison and Life of Johnson.

For students entering in 1909, 1910, and 1911:

Shakespeare's Macbeth; Milton's Lycidas, Comus, L'Allegro, and Il Penseroso; Burke's Speech on Conciliation with America or Washington's Farewell Address and Webster's First Bunker Hill Oration; Macaulay's Life of Johnson or Carlyle's Essay on Burns.

* The lists for the classes entering in 1909, 1910, and 1911 are selected from the list adopted by the Conference on Uniform Entrance Requirements in English, at a meeting held in Newark, N. J., February 22, 1905. Candidates may make other selections from that list provided they give notice of their intention to present these books on or before the first day of February preceding the examination.

LATIN-SCIENTIFIC COURSE.

Candidates for admission to the Latin-Scientific Course are examined in the following subjects:—

LATIN.—Same requirements as for the Classical Course.

ANCIENT HISTORY AND GEOGRAPHY.—Same requirements as for the Classical Course, including Greek history and geography.

MATHEMATICS.—Same requirements as for the Classical Course.

ENGLISH.—Same requirements as for the Classical Course.

Four additional courses, to be selected from the following list (provided that at least one course in modern languages must be selected):—

1. ELEMENTARY FRENCH (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 400 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of French, elementary grammatical questions, and the translation of simple English sentences into French. To meet this requirement two years' work will generally be necessary.

2. ELEMENTARY GERMAN (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 300 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of German, elementary grammatical questions, and the translation of simple English sentences into German. To meet this requirement two years' work will generally be necessary.

3. ADVANCED FRENCH.—The requirement includes the reading of not less than 600 additional pages of French (including at least two works of a dramatic character), and regular practice in writing and speaking French. At least one additional year of study will be necessary to meet this requirement.

4. ADVANCED GERMAN.—The requirement includes the reading of at least 300 additional pages of German (not more than half of which should be fiction), and regular practice in writing and speaking German. At least one additional year of study will be necessary to meet this requirement.

5. ADVANCED MATHEMATICS (counting as two courses).—(1) Solid geometry. (2) Plane trigonometry, with the use of logarithmic and trigonometric tables. (3) Analytical geometry,—the straight line, the circle, and elementary properties of the conic sections.

6. PHYSICAL GEOGRAPHY AND BOTANY.—(1) In physical geography, such a knowledge of the subject is required as may be gained from the study of the text-book of any one of the following authors: Tarr, Davis, Gilbert and Brigham, Hinman, Dryer, and Geikie. Certificates in physical geography will not be accepted without examination unless one of the text-books above mentioned has been used, nor unless the time devoted to the study has been at least the equivalent of four exercises a week for a half-year.

(2) In botany, the candidate must show such a knowledge of the subject as may be gained from either (1) the study of morphological and structural botany, as included in the more recent elementary botanical text-books of Spaulding or Bergen; or (2) the study of Gray's *Lessons in Botany*, accompanied by analysis and description of flowers.

7. PHYSICS.—(1) Such a knowledge of the subject is required as may be obtained, for example, from Carhart and Chute's *High School Physics*, Avery's *School Physics*, Wentworth and Hill's *Text-book of Physics*, or Hoadley's *Brief Course in Physics*.

(2) The candidate must also have performed a series of at least thirty experiments selected as representative of the different departments of physics, and *involving careful measurements*, in addition to any qualitative or very simple quantitative experiments he may have performed, and must present his original note-book, containing full records of the experiments, and certified to by his instructor.

To meet this requirement a full year's work of five exercises a week will in general be necessary.

8. CHEMISTRY.—(1) Such a knowledge of the subject is required as may be gained from Storer and Lindsay's *Manual of Chemistry* (omitting pp. 230-286), Remsen's *Chemistry, Elementary Course*, or Newell's *Descriptive Chemistry*.

(2) The candidate must also have performed a series of at least fifty experiments, and must present his original note-book, containing records of the processes and results of the experiments, and certified to by his instructor.

9. HISTORY OF ENGLAND AND OF THE UNITED STATES.—Such a knowledge of the subject is required as may be gained from Montgomery's *Leading Facts of English History*, and Johnston's *History*

of the United States for Schools or Montgomery's Student's American History. To meet this requirement at least a half-year's work of five exercises a week in each subject will be necessary. The requirement can not be satisfied by work done in the grammar school.

[NOTE.—The American Historical Association through the report of its Committee of Seven, and the New England History Teachers' Association in its Syllabus of History for Secondary Schools have recommended the following course of study in history in all secondary schools:

1st year, Ancient History to 800 A. D.

2nd year, Mediaeval and Modern European History since 800 A. D.

3rd year, English History.

4th year, American History and Civil Government.

In accordance with these recommendations, certificates covering the first, third, and fourth of these groups will be accepted as equivalent to the Wesleyan requirements in the respective subjects. Certificates covering either the first or the second group will be accepted as a substitute for the Wesleyan requirement in English History. An examination on group two will be given if desired.]

SCIENTIFIC COURSE.

Candidates for admission to the Scientific Course are examined in the following subjects:—

MATHEMATICS.—Same requirements as for the Classical Course.

ENGLISH.—Same requirements as for the Classical Course.

HISTORY OF ENGLAND AND OF THE UNITED STATES, as specified on page 32.

Eight additional courses, to be selected from the following list (provided that at least one course in modern languages and at least one course in natural science must be selected):—

1. ELEMENTARY LATIN (counting as two courses).—Grammar; Caesar (Gallic or Civil Wars),—90 to 120 pages (some of the Lives of Nepos may be substituted for a part of this requirement); translation into Latin of simple English sentences.

2. ADVANCED LATIN.—(1) *Either* Cicero,—six orations, preferably those against Catiline, and those for Archias and for the Manilian Law; *or* Vergil,—Aeneid, books I.–VI., and Eclogues

(1,000 verses of Ovid may be substituted for the Eclogues). (2) Translation at sight into English of passages of easy narrative prose Latin.

3. ADVANCED MATHEMATICS (counting as two courses), as specified on page 31.

4. ELEMENTARY FRENCH (counting as two courses), as specified on page 31.

5. ELEMENTARY GERMAN (counting as two courses), as specified on page 31.

6. ADVANCED FRENCH, as specified on page 31.

7. ADVANCED GERMAN, as specified on page 31.

8. PHYSICAL GEOGRAPHY AND BOTANY, as specified on page 32.

9. PHYSICS, as specified on page 32.

10. CHEMISTRY, as specified on page 32.

SPECIAL COURSES.

Special students, not candidates for a degree, may be admitted, upon passing such examinations as the Faculty shall in each case prescribe. (See also page 26.)

GENERAL REGULATIONS CONCERNING ADMISSION.

ADVANCED STANDING.—All candidates for advanced standing must satisfy the Faculty of their proficiency in the preparatory studies, the required studies already pursued by the classes they propose to enter, and the proper quota of elective studies, or studies recognized as equivalents therefor. A certificate of standing in another college is not accepted as evidence of such proficiency, without such further inquiry or examination as may be necessary in the judgment of the respective instructors.

PRELIMINARY EXAMINATIONS.—A candidate for admission may obtain a preliminary record a year or more in advance of the time at which he expects to enter college, on condition of passing, in the June and September examinations of any year taken together, in the equivalent of at least half of the requirements for admission. Teachers and prospective candidates for admission may obtain from the Secretary of the Faculty a schedule of the values which will be assigned to each subject in determining the question of a student's preliminary record.

DATE AND PLACE OF EXAMINATIONS.—The regular examination for admission is held on the Thursday and Friday of Commencement week. Candidates must present themselves at 9 A. M. on the former day. A second examination is held, commencing on the day preceding the first day of the first term. Candidates may be examined in Philadelphia, Cleveland, Cincinnati, or Chicago, provided they make application to the President before June 1. The time of these examinations will be Thursday and Friday of Commencement week. If no applications are received before June 1, these examinations will not be held.

ADMISSION BY CERTIFICATE.—Certificates covering the foregoing requirements for admission to college are received from certain schools of good standing, which have been approved by the Faculty. The privilege of certification is not given to schools which require less than four years of Latin and three years of Greek in their college preparatory course.

No certificate will be received hereafter from any school in New England which has not been approved by the New England College Entrance Certificate Board, of which this college is a member. The Secretary of the Board is Prof. N. F. Davis, of Brown University, Providence, R. I., to whom applications from New England schools for the certificate privilege should be addressed. Such applications must reach the Secretary not later than April first, if approval is desired for the next academic year.

Diplomas (but not certificates) issued by the Regents of the University of the State of New York, and pass cards supplementary to such diplomas, will be received in lieu of examination in the subjects which they cover.

Certificates from preparatory schools and Regents' diplomas are never accepted in lieu of examination for advanced standing.

Students entering by certificate are considered as on trial until the completion of the mid-year examinations. A student admitted to college on certificate, who is dismissed during his Freshman year on account of inability to keep up with his class, must take examinations in all subjects required for admission, in case he desires to return to college.

Detailed information concerning admission by certificate may be obtained on application to the Secretary of the Faculty.

ADMISSION OF WOMEN.—Women were first admitted to the University in 1872. The rule at present in force in regard to their admission was adopted by the Trustees in June, 1900, as follows: "The University will admit women in a number limited to those who can be accommodated in the college buildings and in their own homes in Middletown, and the number in the University shall be limited to twenty per cent. of the whole number of students in the preceding year."

In view of the limitation of the number of women to be admitted, all women desiring admission should, if possible, make application to the Secretary of the Faculty before June 15th, though applications made later will in some cases be considered.

Miss Julia Brazos, Ph. B., Dean of Women, has general oversight of the interests of the women students, and correspondence from women on all matters, except admission, course of study, and tuition scholarships, should be addressed to her.

All candidates for admission must present satisfactory testimonials of good moral character; and certificates of honorable dismissal will be required from those who have been members of other colleges.

COURSES OF INSTRUCTION.



For regulations concerning selection of studies, see page 72.

The figures ¹ or ² following the number of a course indicate respectively that the course is offered for the first or the second half-year.

The place of meeting of each course is indicated by means of the following abbreviations: F. H.=Fisk Hall; J. H.=Judd Hall; O. H.=Observatory Hall; S. L.=Scott Laboratory of Physics; CHEM. LAB., BIOL. LAB.=Chemical, Biological Laboratory; L. CH.=Lower Chapel.

The Roman numerals in parenthesis following each course indicate the examination group to which it is assigned. For table of groups, see pages 70 and 71.

An asterisk prefixed to the number of a course indicates that it can be elected only with the previous approval of the instructor.

Bracketed courses are not given this year, but will, in most cases, be given next year.

LATIN.

PROFESSOR HARRINGTON; ASSOCIATE PROFESSORS NICOLSON
AND HEWITT.

NOTE.—Of the following courses in Latin Courses I.-IV. are given every year; of Courses V.-XVIII. each is given in alternate years only, the bracketed courses being omitted in 1906-07, but to be given in 1907-08 in place of the unbracketed courses. Course I. is required of all Classical and Latin-Scientific Freshmen; Courses II.-IV. are elective for those who have taken Course I., and are required of candidates for preliminary honors in classics. Courses V.-XVIII. are elective for those who have taken Courses I.-III., but students of marked ability in the reading of Latin, who are taking Courses II. and III., may be admitted to certain of them by special permission from the instructor, to whom application should in each case be made.

I. LIVY,—Selections (*first half-year*). TERENCE,—Heauton Timoroumenos; PLAUTUS,—Menaechmi; CICERO,—De Senectute (*second half-year*). Exercises in sight translation and in prose composition throughout the year. SECTION 1, *Mon., Wed., Th., Fri., at 9*; SECTION 2, *Mon., Wed., Th., Fri., at 11*; SECTION 3, *Mon., Wed., Th., Fri., at 12*. 31 F. H. PROFESSORS NICOLSON and HEWITT. (II.)

Course I. is required of Classical and Latin-Scientific Freshmen.

II.¹ CICERO,—Selected Letters. *Tu., Th., at 9 (first half-year).*
13 F. H. PROFESSOR HARRINGTON. (VIII.)

III.² HORACE,—Odes and Epodes. *Tu., Th., at 9 (second half-year).* 13 F. H. PROFESSOR HARRINGTON. (VIII.)

IV. LATIN PROSE COMPOSITION. The course begins with the systematic study of the elementary principles of Latin rhetoric, accompanied by brief practical exercises, and proceeds, in the second half-year, to the rendering into Latin of connected passages of modern historical and epistolary prose. *Tu., at 3.* 31 F. H. PROFESSOR HARRINGTON.

[V. RAPID READING. The aim in this course is to read large amounts of comparatively easy Latin, with a view to acquiring facility in the use of the language. The selections for the first half-year are from poetry; in the second half-year, from prose. *Twice a week.* PROFESSOR NICOLSON.]

VI. ROMAN LITERATURE. A historical and critical survey of Roman literature given by means of lectures, a text-book dealing with the general subject, illustrative class-room readings in Latin and in English translations, and a choice of several collateral reading courses covering different periods. This course is designed primarily for students who desire a wider general acquaintance with the literature of the Romans and its relation to other literatures, without special emphasis upon its distinctly philological features. *Tu., Th., at 11 (counting as three hours a week).* 13 F. H. PROFESSOR HARRINGTON. (X.)

[VII. ROMAN ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, and Ovid. *Twice a week.* PROFESSOR HARRINGTON.]

VIII.¹ OVID,—the Fasti, with special attention to questions of Roman history and ritual. *Tu., Th., at 12 (first half-year).* 13 F. H. PROFESSOR NICOLSON. (XI.)

IX.¹ ROMAN SATIRE. Selections from Ennius, Lucilius, Varro, Horace, and Persius. *Mon., Wed., at 9 (first half-year).* 37 F. H. PROFESSOR HARRINGTON. (II.)

X.² ROMAN SATIRE. A continuation of Course IX. Selections from Juvenal, Petronius, and Apuleius; the Apocolocyntosis of Seneca; lectures on the earliest forms of the novel. *Tu., Th., at 12 (second half-year).* 13 F. H. PROFESSOR NICOLSON. (XI.)

[XI. ROMAN PHILOSOPHY. Lucretius (selections); Cicero (selections from the *Academica*, *De Officiis*, *Tusculanae Disputationes*, *De Finibus*, *De Natura Deorum*); Seneca (*De Providentia*, *De Vita Beata*); lectures on the development of Roman philosophy. *Twice a week*. PROFESSOR HARRINGTON.]

[XII.¹ PLINY THE YOUNGER,—Selected letters, to illustrate (together with Course X.) the state of Roman society at the close of the first century after Christ. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

XIII.² TACITUS. Selections from the *Annals* I.–VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Mon., Wed., at 9 (second half-year)*. 37 F. H. PROFESSOR HARRINGTON. (II.)

[XIV.² CATULLUS,—with some comparison of other Latin lyric poetry. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

XV. ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Wed., at 11*. 37 F. H. PROFESSOR HARRINGTON. (IV.)

[XVI. ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Twice a week*. PROFESSOR HARRINGTON.]

XVII.² LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Mon., Fri., at 10 (first half-year)*. 32 F. H. PROFESSOR HARRINGTON. (III.)

XVIII.² HISTORICAL LATIN GRAMMAR. Lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Twice a week (second half-year), the hours to be determined hereafter*. PROFESSOR HARRINGTON.

For the most successful prosecution of even the earlier courses in Latin, ability to read German prose on philological subjects is decidedly advantageous, and for the most advanced courses it is generally necessary. Students, therefore, who look forward to the study of Latin beyond the more elementary courses, and who have on admission to college no acquaintance with German, should devote special attention to that subject in the Freshman year.

GRADUATE INSTRUCTION.

Courses XVI., XVII., and XVIII., while open to undergraduates, may appropriately be taken as graduate work. Other graduate courses are arranged according to the tastes or attainments of individual students.

GREEK.

PROFESSOR HEIDEL; ASSOCIATE PROFESSOR HEWITT.

I. LYSIAS,—Select Orations; PLATO,—Euthyphro and Apology (*first half-year*). PLATO,—Crito; HOMER,—Odyssey (*second half-year*). Tu., Wed., Th., Fri., at 10. 31 F. H. PROFESSOR HEWITT. (III.)

Course I. is required of Classical Freshmen.

II. THUCYDIDES,—Books II. and III. (*first half-year*). HERODOTUS,—Selections (*second half-year*). Tu., Th., at 11. 37 F. H. PROFESSOR HEWITT. (X.)

Course II. is elective for those who have taken Course I. It is required of candidates for preliminary honors in classics.

III. GREEK PROSE COMPOSITION. Fri., at 11. 37 F. H. PROFESSOR HEIDEL.

Course III. is elective for those who take Course II., or for Classical Juniors. It is required of candidates for preliminary honors in classics, alternating with Course IV.

[IV. HISTORY OF GREEK LITERATURE. Lectures and collateral reading in English translations. *Once a week*. PROFESSOR HEIDEL.]

Course IV. is elective for those who take Course II., or for Juniors. It is required of candidates for preliminary honors in classics, alternating with Course III. It is omitted the present year.

V. DEMOSTHENES,—The Oration on the Crown. Collateral study of the oration of Aeschines against Ctesiphon, and of the life and times of Demosthenes (*first half-year*). PINDAR AND BACCHYLIDES. Collateral reading on the Greek lyric poets (*second half-year*). *Mon., Wed., Fri., at 8.* 37 F. H. PROFESSOR HEIDEL.

Course V. is elective for those who have taken Course II. (I.)

[VI. AESCHYLUS,—Prometheus Bound and Agamemnon; SOPHOCLES,—Antigone. Lectures and collateral reading on the Greek theatre (*first half-year*). SOPHOCLES,—Oedipus the King; EURIPIDES,—Medea and Iphigenia at Aulis. Lectures and collateral reading on Greek tragedy (*second half-year*). *Three times a week.* PROFESSOR HEIDEL.]

Course VI. is elective for those who have taken Course II. It is omitted the present year.

VII.¹ NEW TESTAMENT IN GREEK (*first half-year*). *Tu., Th., at 3.* 37 F. H. PROFESSOR HEIDEL. (XII.)

Course VII. is elective for those who have taken Course II.

VIII.² THEOCRITUS AND LUCIAN (*second half-year*). *Wed., Fri., at 10.* 37 F. H. PROFESSOR HEIDEL. (III.)

Course VIII. is elective for those who have taken Course II.

IX. GREEK CIVILIZATION. Lectures and collateral reading on the political institutions, the art, the religion, and the thought of ancient Greece in relation to modern civilization. *Tu., Th., at 2.* 37 F. H. PROFESSOR HEIDEL.

Course IX. is elective for Juniors.

[X.¹ THE PUBLIC ANTIQUITIES OF ATHENS. Lectures, collateral reading, and reports on the organization of Athenian society, slavery, religion as connected with the state, and the duties of the Athenian as a citizen (*first half-year*). *Twice a week.* PROFESSOR HEIDEL.]

Course X. is elective for those who have taken Course II. It is omitted the present year.

[XI.² THE PRIVATE LIFE OF THE GREEKS. Lectures, collateral reading, and reports (*second half-year*). *Twice a week.* PROFESSOR HEIDEL.]

Course XI. is elective for those who have taken Course II. It is omitted the present year.

XII. PLATO,—Republic (*first term*). ARISTOTLE,—Metaphysics (*second term*). *Mon.*, 7–10 p. m. (*first and second terms*), counting as two hours for the year. 32 F. H. PROFESSOR HEIDEL.

Course XII. is elective for those who have taken Course V. or Course VI.

Ability to read German on philological subjects will generally be found to be necessary for the advanced courses in Greek.

GERMAN.

PROFESSOR FIFE; MR. SUPER.

I. ELEMENTARY GERMAN. Vos's Essentials of German; Caruth's German Reader; Seidel,—Aus goldenen Tagen; Wildenbruch,—Der Letzte; Heyse,—Die Blinden, and an easy comedy. Exercises in conversation and composition, based on the texts read and on an elementary manual. SECTION 1, *Mon.*, *Wed.*, *Fri.*, at 8. 13 F. H. PROFESSOR FIFE. SECTION 2, *Mon.*, *Wed.*, *Fri.*, at 12. 15 F. H. MR. SUPER. (I.)

For rules in regard to the election of I. German, see page 47.

II. ADVANCED GERMAN. Fouqué,—Undine; Schiller,—Die Jungfrau von Orleans; Riehl,—Burg Neideck; Goethe,—Hermann und Dorothea; Meyer-Förster,—Karl Heinrich. A part of this reading is done at sight. One hour a week throughout the year is devoted to a review of elementary grammar, with paraphrases and prose composition. A considerable part of the class exercises are conducted in German. Text-books, Poll's Prose Composition; Thomas's Practical German Grammar. *First half-year*: SECTION 1; *Mon.*, *Wed.*, *Fri.*, at 11. 15 F. H. SECTION 2; *Mon.*, *Wed.*, *Fri.*, at 2. 39 F. H. *Second half-year (in one section)*: *Mon.*, *Wed.*, *Fri.*, at 11. 15 F. H. PROFESSOR FIFE. (IV.)

Course II. is elective for those who have taken Course I.

III. GERMAN CONVERSATION AND GERMAN DAILY LIFE. Practice in conversation based on R. Kron's German Daily Life, supplemented by lectures and pictures illustrating German life and institutions. All class exercises are conducted in German. *Tu.*, at 2. 39 F. H. PROFESSOR FIFE.

Course III. is elective for those who have taken Courses I. and II. It may be elected, with the permission of the instructor, together with Course II.

*IV.¹ PROSE COMPOSITION AND ADVANCED GRAMMAR. This course begins with an intensive review of the elementary phonology and forms of the language, followed by a study of German syntax, and an introduction to historical grammar. Regular class exercises in composition, supplemented by independent themes. Curme's Grammar of the German Language; Thomas's Grammar, Part II.; Jagemann's Prose Composition. *Tu., Th., at 8 (first half-year).* 36 F. H. PROFESSOR FIFE. (VII.)

Course IV. is elective, with the permission of the instructor, for those who have taken Courses I.-III. It is intended especially for those preparing to teach German.

V. GOETHE AND SCHILLER. 1. A study of Goethe's life, with selected parallel readings from his plays and lyrics. During the current year the following are read, in the order named: Götz von Berlichingen, Iphigenie auf Tauris, Lyrics (Goebel's edition), Faust I. Lectures and themes. 2. A study of Schiller's life, with selected readings. During the current year, Schiller's Poems (Nollen's edition); Wallenstein (all parts). Lectures and themes. *Mon., Wed., Fri., at 12.* 39 F. H. PROFESSOR FIFE. (V.)

Course V. is elective for those who have taken Courses I. and II.

VI.¹ NINETEENTH CENTURY LITERATURE. Various phases and periods are studied in successive years. During the current year the contemporary drama is taken up. Rapid readings from Hauptmann, Sudermann, Fulda, Ernst. The first work read is Hauptmann's *Einsame Menschen*. *Wed., Fri., at 11 (first half-year).* 13 F. H. MR. SUPER. (IV.)

VII.² HISTORICAL AND CRITICAL PROSE. Rapid readings in contemporary German historians and essayists. The course is designed as a further introduction to German culture, as well as an aid to those who desire greater proficiency in reading contemporary German prose. The first text read is Fischer-Lodeman,—"Germany and the Germans." *Tu., Th., at 12 (second half-year).* 39 F. H. PROFESSOR FIFE. (XI.)

Courses VI. and VII. are elective for those who have taken Courses I. and II.

[VIII.² THE HISTORY OF GERMAN LITERATURE, I. From the earliest beginnings to the end of the sixteenth century. A course of lectures, supplemented by parallel readings from Max Müller's German Classics, and by themes. All lectures and class exercises are conducted in German. *Twice a week (second half-year).* PROFESSOR FIFE.]

IX.² HISTORY OF GERMAN LITERATURE, II. From the beginning of the seventeenth century to the present time. A course of lectures, supplemented by parallel readings from Max Müller's German classics, and by themes. All class exercises are conducted in German. *Tu., Th., at 8 (second half-year).* 39 F. H. PROFESSOR FIFE. (VII.)

Courses VIII. and IX., which are given in alternate years, are elective for those who have taken Courses I. and II., and who have taken, or are taking Course III. Course VIII. is omitted the present year.

[X.¹ MIDDLE HIGH GERMAN. Wright's Middle High German Primer. Paul's *Mittelhochdeutsche Grammatik* for reference. Readings from Hartmann von Aue's *Arme Heinrich*, the *Nibelungenlied*, and Walther von der Vogelweide. *Twice a week (first half-year).* PROFESSOR FIFE.]

Course X. is elective for those who have taken Courses I.-III. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses VIII., IX., and X. are intended as an introduction to graduate work, and may, with additional requirements, be taken as graduate courses. Further graduate instruction may be arranged for through private conference.

ROMANCE LANGUAGES.

PROFESSOR KUHN; MR. SUPER.

I. ELEMENTARY FRENCH. Fraser and Squair's French Grammar, Part I. Kuhn's French Reading for Beginners. Margueritte, —Strasbourg; Erckmann-Chatrian, —Madame Thérèse; About, —Le Roi des Montagnes. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., Wed., Fri., at 8*; SECTION 2, *Mon., Wed., Fri., at 3.* 14 F. H. MR. SUPER. (VI.)

For rules in regard to the election of I. French, see page 47.

II. ADVANCED FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight reading in class,

and for each half-year collateral reading is given to be prepared by the student himself for examination. On Fridays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. *Mon., Wed., Fri., at 11.* 39 F. H. PROFESSOR KUHN. (IV.)

Course II. is elective for those who have taken Course I.

*III. FRENCH COMPOSITION AND CONVERSATION. The object of this course is to give practice in writing, speaking, and hearing French. There is a large amount of composition, interesting stories are read and discussed, and lectures are given in French on the modern French novel. During the year several informal lectures on travel in Europe are given in French by Professor Kuhns. These lectures are illustrated by lantern slides. *Mon., Wed., at 2.* 14 F. H. MR. SUPER.

Course III. is elective, with the permission of the instructor, for those who have taken, or are taking, Course II.

*IV. MODERN FRENCH LITERATURE. French literature in the seventeenth, eighteenth and nineteenth centuries. The masterpieces of Corneille, Racine, Molière, Boileau, La Fontaine, Rousseau, Chateaubriand, Lamartine, Alfred de Musset, Victor Hugo, Balzac, and others are read and discussed (but not translated) in class. Frequent lectures are given by the instructor on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. At each recitation translation from English into French is made. In addition, each member of the class must make, twice during the year, a more extensive study of some one particular writer. *Tu., Th., at 11.* 39 F. H. PROFESSOR KUHN. (X.)

Course IV. is elective, with the permission of the instructor, for those who have taken, or are taking, Course III.

V. OLD FRENCH. The translation of Old French texts, and the study of Old French literature, with special reference to its influence on the literatures of the other nations of Western Europe. Lectures, collateral readings and reports. *Tu., at 9 (counting as two hours a week).* 36 F. H. PROFESSOR KUHN. (VIII.)

Course V. is elective for those who have taken Courses I.-IV.

*VI. FRENCH SEMINARY. This course is especially designed to meet the needs of those who intend to teach French. It includes the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. *Th., at 9.* 39 F. H. PROFESSOR KUHN. (VIII.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

[VII. ELEMENTARY ITALIAN. Italian Principia, I. De Amicis, —Cuore; Pellico,—Le Mie Prigioni; Manzoni,—I Promessi Sposi. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the *Inferno* and the *Purgatorio* of Dante, the last half-hour of each recitation being devoted to this exercise. *Twice a week.* PROFESSOR KUHNS.]

Course VII. is elective for Sophomores who have taken I. French. It is omitted the present year.

VIII. ADVANCED ITALIAN. Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Mon., Wed., at 8.* 39 F. H. PROFESSOR KUHNS. (I.)

Course VIII. is elective for those who have taken Course VII.

IX. DANTE IN ENGLISH. The *New Life* and the *Divine Comedy* are read in English translations. The instructor interprets these books in the light of the history, science, theology and philosophy of the Middle Ages, comparing Dante with Homer, Shakespeare, and other world-poets, and shows his influence on modern thought, art and literature. *Fri., at 8.* 39 F. H. PROFESSOR KUHNS. (I.)

Course IX. is elective for Juniors.

X. ELEMENTARY SPANISH. Grammar, and reading of simple Spanish prose. *Wed., Fri., at 9.* 39 F. H. MR. SUPER. (II.)

Course X. is elective for Sophomores who have taken I. French.

[XI. ADVANCED SPANISH. The chief emphasis in this course is laid on the *Don Quijote* of Cervantes. *Twice a week.* MR. SUPER.]

Course XI. is elective for those who have taken Course X. It is omitted the present year.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

Of the courses in French and German, Classical Freshmen are required to pursue either I. French or I. German, but are allowed their option between the two. Students in the Latin-Scientific Course are examined at entrance in the equivalent of either I. French or I. German, as they may elect, and in the Freshman year are required to pursue one course in French or German. They may continue the study of the language in which their entrance examination was taken, or may begin the study of the other language, as they may elect. Students in the Scientific Course are required to complete the equivalent of Courses I. and II. in French and I. and II. in German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as possible after entering.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

NOTE.—Professor Winchester is to be absent during the second half of the present college year. The work of his classes is increased by the equivalent of an additional hour for each class, during the first half-year.

1. GENERAL INTRODUCTION TO ENGLISH LITERATURE. I. An outline of the history of the literature. Stopford Brooke's *English Literature*, with lectures. *First half-year*.

2. Class-room reading and discussion of literary masterpieces, illustrative of different varieties and periods of English literature. The works selected are: Chaucer's Prologue to the *Canterbury Tales*, and the *Nonne Preestes Tale*; Shakespeare's *Hamlet*; Milton's minor poems. *Second half-year*.

3. A brief course of collateral reading, with written recitations and essays upon subjects drawn from the reading. Members of the class choose one of the courses in Winchester's *Five Short Courses of Reading in English Literature*. These courses consist of selections from the following authors:

(1) 1559-1674. Marlowe, Green, Shakespeare, Bacon, Milton.

(2) 1660-1745. Dryden, Addison, Steele, Swift; with Johnson's *Lives of Dryden*, Swift, and Pope, and Thackeray's *Lectures on the English Humourists*.

(3) 1745-1789. Gray, Goldsmith, Johnson, Burke, Cowper, Burns; with Leslie Stephen's *Life of Johnson*, Dobson's *Life of Goldsmith*, Morley's *Life of Burke*.

(4) 1789-1832. Wordsworth, Coleridge, De Quincey, Lamb, Byron, Shelley, Keats.

(5) 1832-1880. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson.

Mon., Wed., at 12 (first half-year), counting as one and one-half hours for the year. 14 F. H. (V.)

Course I. is elective for Sophomores.

[II. SIX PLAYS OF SHAKESPEARE. *Three times a week.*]

[III. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Arnold, Tennyson, Browning. *Three times a week.*]

IV.¹ ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Mon., Wed., Fri., at 9 (first half-year), counting as two hours for the year.* 14 F. H. (II.)

Courses II., III., and IV. are elective for those who have completed Course I. Courses II. and III. are omitted the present year.

[V. NEW ENGLAND LITERATURE, 1835-1885. Emerson, Longfellow, Lowell, Hawthorne, Whittier, Holmes. *Twice a week.*]

[VI. LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Bolingbroke, Pope. *Twice a week.*]

VII.¹ ESSAYISTS AND REVIEWERS OF THE EARLY NINETEENTH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Wilson, Hunt. *Mon., Wed., at 11 (first half-year), counting as one and one-half hours for the year.* 23 F. H. (IV.)

Courses V., VI., and VII. are elective, with some restrictions, for those who have taken Course I., either Course II., Course III., or Course IV., and Course VIII. Courses V. and VI. are omitted the present year.

VIII.² ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's Principles of Literary Criticism is used as a text-book. *Fri., at 11 (first half-year), counting as one hour for the year.* 29 F. H. (IV.)

Course VIII. is elective for those who have taken Course I.

IX.¹ DEBATE. Weekly practical exercises. Two members of the class are appointed to conduct the debate at each exercise. They must prepare written briefs of their argument, which are revised and

corrected by the instructor, and are then publicly posted four days before the debate. *Mon., at 10 (first half-year).* 13 F. H.

Course IX. is elective for Seniors, and those who elect it are excused from half the rhetorical work required in Course X.

X. ENGLISH COMPOSITION. The rhetorical exercises of the Senior class are assigned to this department. Every Senior (unless excused from half this requirement by the provisions of Course IX.) must write either four essays or two orations. All written work receives the personal criticism of the instructor.

The rhetorical exercises of the Senior year are rated as the equivalent of three hours work per week for the year; these hours are required in addition to the minimum quota (14) prescribed for Seniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD.

I. RHETORIC. Lamont's English Composition, Mead's Composition and Rhetoric. For supplementary reading, Wendell's English Composition is recommended. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also privately at hours appointed by the instructor. SECTION 1, *Tu., at 8*; SECTION 2, *Tu., at 9*; SECTION 3, *Wed., at 9 (counting as two hours a week).* 29 F. H. (VII.)

Course I. is required of Freshmen.

II. ENGLISH COMPOSITION. A. Sophomores are required to write six essays during the year on subjects approved by the instructor.

B. Juniors write on subjects of their own selection, and choose one of the two following courses: Course I., consisting of five general and two departmental essays; Course II., consisting of two general and four departmental essays. The departmental essays must be written on subjects related to some department of college work and approved by the instructor in English.

Appointments for personal criticism are made for Sophomores and Juniors.

The essays of Sophomore and Junior years are rated as the equivalent each of two hours' work per week for the year; these hours are required in addition to the minimum quota (14) prescribed for each of these two years.

III. OLD ENGLISH (Anglo-Saxon). This course is of fundamental importance as an introduction to the study of the English language and Early English literature. The principal reading at the outset is in Bright's edition of *The Gospel of St. John in West Saxon*. The grammar is drawn from Bright's *Anglo-Saxon Reader*, with copious illustrations and explanations based upon the texts read. The reading of the second half-year is mainly in Old English poetry and in prose illustrating important periods of Old English history. A lecture once a week, with a reading of Skeat's *Primer of English Etymology*, explains in detail the relations of the Old English language to modern English. *Tu., Th., Fri., at 12.* 29 F. H. (XI.)

Course III. is elective for Sophomores.

[IV. OLD ENGLISH LITERATURE. Brooke's *History of English Literature from the Beginning to the Norman Conquest*, with lectures on the history of Old English literature before 1100 A. D., and some account of contemporary Germanic literature. One aim of this course is to give to students whose work lies mainly in modern literature a survey of Old English prose and poetry before the Norman Conquest, and to describe the life of which the literature is a reflection. Typical selections from Old English poems are read in translation. *Once a week.*]

Course IV. is elective for Sophomores. It is omitted the present year.

[*V. MIDDLE ENGLISH. A course mainly in Chaucer and typical fourteenth century poetry. The pieces read in class are discussed in lectures treating the period from the point of view of comparative literature. For this course, as at present arranged, no knowledge of Anglo-Saxon is required. *Twice a week.*]

Course V. is elective for Juniors, with the permission of the instructor. It is omitted the present year.

VI. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's *Idylls of the King*,

Swinburne's *Tale of Balen*, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. *Tu., Th., at 3.* 29 F. H. (XII.)

Course VI. is elective for Juniors.

VII. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course, which is of a popular, untechnical character, is to show in lectures and class discussions how English words have been made, how they have changed their sound, their forms, and their meanings, how and when foreign words have been borrowed, and, in particular, how American English differs from that of England. The work is brought into close connection with the study of literature. For this course no knowledge of Anglo-Saxon is required. A special subject of study this year is the diction of the seventeenth and eighteenth century English poets. The principal collateral work is based upon Jespersen's *Growth and Structure of the English language*, and Skeat's *Concise Etymological Dictionary*. *Mon., Wed., at 12.* 29 F. H. (V.)

Course VII. is elective for Juniors.

PUBLIC SPEAKING.

MR. WETZEL.

PUBLIC SPEAKING. Instruction in the course in public speaking is given in three sections, one for each of the three upper classes.

A. SOPHOMORES. Special attention is given to vocal training, pronunciation, and articulation, and to the acquirement of a distinct and natural habit of reading and speaking. *Sat., at 9.* L. CH.

B. JUNIORS. This course includes systematic practice in delivery with special reference to the fundamental characteristics of natural speaking, viz.: pause, touch, change of pitch, inflection, movement, and tone-color. *Sat., at 10.* L. CH.

C. SENIORS. This course includes practice in forensic speaking and in the vocal interpretation of Julius Caesar, Hamlet, and The Merchant of Venice, with special reference to argumentation and dramatic delivery. *Sat., at 11.* L. CH.

Once a week for twenty weeks, counting as half an hour for the year.

This course cannot be elected as part of the minimum quota of 14 hours.

HISTORY.

PROFESSOR DUTCHER.

I. ENGLISH HISTORY. From the earliest times to the present day. Gardiner's Student's History of England, Adams and Stephens's Select Documents of English History. Lectures and assigned work. *Tu., Th., at 8.* 11 F. H. (VII.)

Course I. is elective for Sophomores. Those intending to elect the later courses in history should elect Course I. in the Sophomore year.

I. A. ENGLISH HISTORY COLLATERAL READINGS. Assigned readings, written recitations and reports. For the current year the books assigned are: Cheyney's Introduction to the Industrial and Social History of England, Wakeman's Introduction to the History of the Church of England, Burrows's History of the Foreign Policy of Great Britain, Seeley's Expansion of England, and Courtney's Working Constitution of the United Kingdom. *The course counts as one hour for the year.*

Course I. A. is elective only for those who are taking Course I.

[II. AMERICAN COLONIAL HISTORY, 1492-1789. Thwaites's The Colonies, Hart's Formation of the Union, MacDonald's Select Charters. Lectures and assigned work. *Three times a week.*]

Course II. is elective for those who have taken Course I. in history or Course I. in economics. It is omitted the present year.

III. UNITED STATES HISTORY, 1789-1865. Hart's Formation of the Union, Wilson's Division and Reunion, MacDonald's Select Documents of United States History. Lectures and assigned work. *Mon., Wed., Fri., at 12.* 11 F. H. (V.)

Course III. is elective for those who have taken Course I. in history, or Course I. in economics. Courses II. and III. are given in alternate years, Course II. being omitted the present year.

IV. EUROPEAN HISTORY, 300-1600. Hassall's Periods of European History, vols. 1-4. Lectures and assigned work. *Mon., Wed., Fri., at 8.* 11 F. H. (I.)

Course IV. is elective for those who have taken Course I.

[V. EUROPEAN HISTORY, 1600-1890. Stephens's Syllabus of Modern European History; Hassall's Periods of European History, vols. 5-8. Lectures and assigned work. *Three times a week.*]

Course V. is elective for those who have taken Course I. Courses IV. and V. are given in alternate years, Course V. being omitted the present year.

*VI. HISTORICAL SEMINARY. Subject for the current year: Discussions of historical method, with special application to the study of select topics from the history of the United States from 1789 to 1801. *Th., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VI. is elective, with the permission of the instructor, for Seniors who have taken Course I., either Course II. or Course III., and either Course IV. or Course V.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Recitations and discussions. *Tu., Th., at 9.* 15 F. H. (VIII.)

Course I. is required in the Junior or Senior year; with the permission of the instructor, it may be taken by Sophomores.

II. ADVANCED ECONOMICS. This course includes a brief historical view, on the basis of Ingram's History of Political Economy, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Wed., Fri., at 9.* 12 F. H. (II.)

Course II. is elective for those who have taken Course I. It is given in alternate years with Course III.

[III. PUBLIC FINANCE. The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Twice a week.*]

Course III. is elective for those who have taken Course I. It is omitted the present year.

[IV. I. MONEY AND BANKING. A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the

various schemes for reform. 2. THE TRUST PROBLEM. A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 3. THE TARIFF. A study of the theory of protective customs duties and of the history of tariffs in America. *Twice a week.*]

Course IV. is elective for those who have taken Course I. It is omitted the present year.

V. THE GENERAL LABOR PROBLEM. A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations, strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Tu., Th., at 11. 12 F. H.* (X.)

Course V. is elective for those who have taken Course I. It is given in alternate years with Course IV.

VI. SOCIOLOGY. A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Tu., Th., at 12. 12 F. H.* (XI.)

Course VI. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VII.

[VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Twice a week.*]

Course VII. is elective for those who have taken, or are taking, Course I. It is omitted the present year.

* VIII. ECONOMIC SEMINARY. Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. For the current year the topics are related to the general labor problem, as discussed in Course V. *Tu., 7-10 p.m. (first and second terms), counting as two hours for the year. 10 F. H.*

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV., must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is open also to such undergraduates as are making special studies in the department. Courses II.-VII., while intended primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

PHILOSOPHY.

PROFESSORS ARMSTRONG AND DODGE.

I.² LOGIC. Jevons-Hill's Elements of Logic. An elementary course in the fundamental forms of reasoned thinking, both deductive and inductive. The study of the text-book is illustrated by numerous examples in logical praxis. SECTION 1, *Tu., Th., at 8*; SECTION 2, *Tu., Th., at 10 (second half-year)*. 28 F. H. PROFESSOR DODGE. (IX.)

Course I. is required of Sophomores.

II.¹ PSYCHOLOGY. Sully's Outlines of Psychology, with references to other authorities. Lectures and discussions are used to supplement the text-book. These are introduced especially in explanation of the more recent psychological investigations and of positions still under debate. *Mon., Wed., Fri., at 10 (first half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course II. is required of Juniors.

III. **PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY.** Ladd's Outlines of Physiological Psychology. The course begins with a discussion of the physical basis of mind, but more than half of the time is devoted to the study of the chief experimental methods and results. *Mon., Wed., at 3.* 22 F. H. PROFESSOR DODGE. (VI.)

Course III. is elective for Juniors.

IV.¹ **ADVANCED LOGIC.** Hibben's Inductive Logic. A systematic discussion of the origin, the forms and the limitation of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and scientific evidence are analyzed and the practical limits of proof are discussed. *Mon., Wed., at 11 (first half-year).* 24 F. H. PROFESSOR DODGE. (IV.)

Course IV. is elective for Juniors.

V.² **INTRODUCTION TO PHILOSOPHY.** Lectures and recitations, with references to the Introductions of Stuckenberg, Ladd, Külpe, and Paulsen. The course is planned to meet the needs of students who seek general instruction in the encyclopedia and the outlines of philosophy, as well as of students who intend to specialize in the department. *Mon., Wed., at 11 (second half-year).* 28 F. H. PROFESSOR ARMSTRONG. (IV.)

Course V. is elective for Juniors.

VI.³ **ANCIENT AND MEDIAEVAL PHILOSOPHY.** Zeller's Outlines of Greek Philosophy, with references to Schwegler, Zeller's larger work, and other authorities; lectures and discussions. *Wed., Fri., at 10 (second half-year).* 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course VI. is elective for Juniors.

VII.¹ **MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT.** Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other standard histories of philosophy. *Tu., Th., at 3 (first half-year).* 28 F. H. PROFESSOR ARMSTRONG. (XII.)

Course VII. is elective, under ordinary circumstances, for those who have taken Course VI.

VIII.² **MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME.** Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other authorities. *Tu., Th., at 3 (second half-year).* 28 F. H. PROFESSOR ARMSTRONG. (XII.)

Course VIII. is elective for those who have taken Course VII.

IX. ADVANCED PSYCHOLOGY. Lectures and reports by members of the class. Part I. A systematic general account of the emotions and the will. Part II. A more detailed account of special phenomena, including anger, fear, the tender emotions, sympathy, the aesthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Mon., at 10.* 22 F. H. PROFESSOR DODGE. (III.)

Course IX. is elective for those who have taken Course II.

* X. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. The subject of investigation for the current year is the psychology of reading. *Th., 7-9 p. m., counting as one hour for the year.* 22 F. H. PROFESSOR DODGE.

Course X. is elective, with the permission of the instructor, for those who have taken Courses II. and III.

* XI.¹ READINGS IN MODERN PHILOSOPHY. In this course representative works of leading thinkers of the first half of the modern period are read and discussed. Special attention is given to selections from the works of Descartes, Locke, Berkeley, and Hume. *Tu., Th., at 11 (first half-year).* 24 F. H. PROFESSOR ARMSTRONG. (X.)

Course XI. is elective, with the permission of the instructor, for those who are taking Course VII.

* XII.² METAPHYSICS. Selections from Kant's works and Lotze's Metaphysics. Class readings and discussions. Topical reports and theses may also be required. *Tu., Th., at 11 (second half-year).* 24 F. H. PROFESSOR ARMSTRONG. (X.)

Course XII. is elective, with the permission of the instructor, for those who are taking Course VIII.

GRADUATE INSTRUCTION.

Courses IX.-XII. are intended for advanced undergraduates and graduates. Special courses for graduate students, under the direction of the instructors of the department, may be arranged in advanced experimental and theoretical psychology, in historical philosophy and systematic philosophy.

ETHICS AND RELIGION.

PRESIDENT RAYMOND; PROFESSORS RICE AND DODGE.

I.¹ ETHICS. A course of lectures and recitations on theoretical and practical ethics. The course is introduced with a brief historical survey of ethical theory, and the lectures are supplemented by theses and collateral reading. *Seth's Study of Ethical Principles* is used as a text-book. *Tu., Th., at 10 (first half-year)*. 15 F. H. PROFESSOR DODGE. (IX.)

Course I. is required of Seniors.

II.² EVIDENCES OF CHRISTIANITY. Recitations and lectures, *Fisher's Grounds of Theistic and Christian Belief* being used as a text-book. *Tu., Th., at 10 (second half-year)*. 15 F. H. PRESIDENT RAYMOND. (IX.)

III.³ THE ENGLISH BIBLE. This course gives a somewhat comprehensive view of the various types of Old Testament literature, and traces the growth of the moral and religious truths of revelation. Special attention is given to the historic conditions under which these truths took their rise. *Twice a week (second half-year), the hours to be determined hereafter*. PRESIDENT RAYMOND.

Either course II. or Course III. is required of Seniors. Both courses may be taken by Seniors.

IV.² THEISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year), the hours to be determined hereafter*. PRESIDENT RAYMOND.

Course IV. is elective, with the permission of the instructor, for those who have taken Courses I., II., V., and VII. in philosophy.

[V.² RELATIONS OF SCIENCE AND RELIGION. Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the correlation of physical and vital forces, and the theory of evolution, are among the topics discussed. *Rice's Christian Faith in an Age of Science* is used as a text-book. *Twice a week (second half-year)*. PROFESSOR RICE.]

Course V. is elective for Juniors. It is omitted the present year.

MATHEMATICS AND ASTRONOMY.

PROFESSOR (*Emeritus*) J. M. VAN VLECK; ASSOCIATE PROFESSOR
MCKINNEY; DR. STEPHENS.

I. PLANE TRIGONOMETRY. *First third of the year.*

ANALYTICAL GEOMETRY. *Second third of the year.*

SOLID GEOMETRY. *Last third of the year.*

SECTION 1, *Mon., Tu., Th., Fri., at 9*; SECTION 3, *Mon., Tu., Th., Fri., at 12.* 25 O. H. DR. STEPHENS. SECTION 2, *Mon., Tu., Th., Fri., at 10.* 26 O. H. PROFESSOR MCKINNEY. (V.)

Course I. is required of Classical Freshmen, and of Latin-Scientific and Scientific Freshmen who did not receive credit in the advanced requirements in mathematics on admission to college.

II. ALGEBRA. Advanced course. *Mon., Wed., at 11.* 26 O. H. PROFESSOR MCKINNEY. (IV.)

Course II. is elective for those who have taken Course I.

[III. TRIGONOMETRY. Advanced course, with applications to problems in surveying and astronomy. *Twice a week.*]

Course III. is elective for those who have taken Course I. It is omitted the present year.

IV. ANALYTICAL GEOMETRY. Advanced course, preceded by an introduction to the theory of determinants. *Tu., Th., at 11.* 23 O. H. DR. STEPHENS. (X.)

Course IV. is elective for those who have taken Course I.

V. DIFFERENTIAL AND INTEGRAL CALCULUS. Elementary course. *Tu., Th., Fri., at 12.* 26 O. H. PROFESSOR MCKINNEY. (XI.)

Course V. is elective for those who have taken Course I.

Courses II., IV., and V. are necessary for those who purpose to pursue advanced courses in pure mathematics; Course V. for those intending to pursue advanced courses in physics and other branches of applied mathematics.

VI. DIFFERENTIAL EQUATIONS, based on Murray's Treatise on Differential Equations. *Wed., Fri., at 8.* 23 O. H. DR. STEPHENS. (I.)

Course VI. is elective for those who have taken Course V.

VII. HIGHER ALGEBRA, based on Chrystal's Treatise. *Wed., Fri., at 9.* 26 O. H. PROFESSOR MCKINNEY. (II.)

Course VII. is elective for those who have taken Course II.

[VIII. PROJECTIVE GEOMETRY. *Twice a week.* DR. STEPHENS.]

Course VIII. is elective for those who have taken Course V. It is omitted the present year.

[IX. CALCULUS. Second course, with a special study of the theory of integrals. *Twice a week.*]

Course IX. is elective for those who have taken Course V. It is omitted the present year.

X. THEORY OF FUNCTIONS. Elementary course. *Tu., Th., at 8.* 26 O. H. PROFESSOR MCKINNEY. (VII.)

Course X. is elective for those who have taken Course V.

[XI. THEORETICAL MECHANICS. *Twice a week.*]

Course XI. is elective for those who have taken Course V.

[XII. DESCRIPTIVE ASTRONOMY. This course is designed to give a general knowledge of the fundamental facts and principles of astronomy, such a knowledge as may properly constitute a part of a general liberal education. *Twice a week.* PROFESSOR J. M. VAN VLECK.]

Course XII. is elective for those who have taken Course I., and is required of Scientific Sophomores. It is omitted the present year.

[XIII. SPHERICAL AND PRACTICAL ASTRONOMY, with exercises in the observatory. *Twice a week.* PROFESSOR J. M. VAN VLECK.]

Course XIII. is elective for those who have taken Course V. It is omitted the present year.

PHYSICS.

PROFESSOR CRAWFORD; ASSOCIATE PROFESSOR CADY.

I. ELEMENTARY PHYSICS. A general course, covering the most fundamental laws, and presenting typical phenomena, in the various departments of physics, conducted chiefly by lectures, with references to Crew's Elements of Physics. *Mon., Fri., at 10 (first half-year).* *Mon., Wed., Fri., at 10 (second half-year).* 34 S. L. PROFESSORS CRAWFORD and CADY. (III.)

Course I. is required of Classical Sophomores, and of Latin-Scientific Sophomores and Scientific Freshmen who did not receive credit in physics on admission to college.

II. ELECTRICITY AND MAGNETISM. Text-book and lectures, together with some experimental work in the laboratory. *Tu., Th., at 11.* 34 S. L. PROFESSOR CADY. (X.)

Course II. is elective for those who have taken, or are taking, Course I., and who have also studied trigonometry.

III. PRACTICAL PHYSICS. An elementary laboratory course parallel with Course I. This course is intended for those who purpose to teach physics, and also as an introductory course for those who expect to take further laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at a (two or three exercises a week).* S. L. PROFESSOR CRAWFORD.

Course III. is elective for those who have taken, or are taking, Course I.

IV. ELECTRICAL MEASUREMENTS. Experimental work in electricity, supplemented by occasional lectures. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at a (two or three exercises a week).* S. L. PROFESSOR CADY.

Course IV. is elective, with the exception noted below, only for those who have taken Course II.

Courses III. and IV. are parallel. With the consent of the instructors, students who are taking, as well as those who have taken, Course II. may elect a half-year of each.

[VI. SOUND. Poynting and Thomson's Text-book on Sound, with some laboratory practice. *Three times a week (first half-year).* PROFESSOR CRAWFORD.]

Course V. is elective for those who have taken Course I. in physics and Course I. in mathematics. It is omitted the present year.

[VI². HEAT. Poynting and Thomson's Text-book on Heat (omitting thermo-dynamics), with some laboratory practice. *Three times a week (second half-year).* PROFESSOR CRAWFORD.]

Course VI. is elective for those who have taken Course I. in physics and Course I. in mathematics. It is omitted the present year.

VII.¹ THERMO-DYNAMICS. A course of lectures, with special application to the steam engine. *Wed., at 10, Th., at 8, Fri., at 11 (first half-year).* 40 S. L. PROFESSOR CRAWFORD. (VII.)

Course VII. is elective for those who have taken Course I. in physics, and who have taken, or are taking, Course V. in mathematics.

VIII. APPLICATIONS OF ELECTRICITY. Text-book and lectures.

- First half-year, direct-current dynamos and motors, electric lighting, storage batteries, the telephone, telegraph, etc. Second half-year, theory of alternating currents, with a study of the chief types of alternating-current machinery. *Mon., Wed., Fri., at 11.* 34 S. L. PROFESSOR CADY. (IV.)

Course VIII. is elective for those who have taken Course II. in physics, and who have taken, or are taking, Course V. in mathematics.

IX.² LIGHT. Text-book and lectures, with some laboratory practice. *Tu., Th., at 8, Fri., at 11 (second half-year).* S. L. PROFESSOR CRAWFORD. (VII.)

Course IX. is elective for those who have taken Course I. in physics, and who have taken, or are taking, Course V. in mathematics.

X. PRACTICAL PHYSICS. A continuation of Course III., consisting of exact measurements in mechanics, heat, sound, and light. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CRAWFORD.

Course X. is elective for those who have taken Course III.

XI. EXPERIMENTAL ELECTRICITY. A continuation of Course IV. The study and testing of dynamos, motors, and other electrical apparatus forms a large part of the work. Opportunity is afforded for some shop-work and for practical experience in running an engine and dynamo. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XI. is elective for those who have taken Courses IV. and VIII.

XII. THEORETICAL ELECTRICITY. This course is based on J. J. Thomson's Mathematical Theory of Electricity and Magnetism. *Wed., Fri., at 9.* S. L. PROFESSOR CADY. (II.)

Course XII. is elective for those who have taken Course II. in physics, and who have taken, or are taking, Course V. in mathematics.

XIII. ADVANCED EXPERIMENTAL ELECTRICITY. Precise electrical measurements, experimental study of alternating currents, and other selected problems in electricity and magnetism. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XIII. is elective for those who have taken Course XI.

XIV. ERRORS OF OBSERVATION AND THE METHOD OF LEAST SQUARES, as applied in the solution of physical problems. *Once a week, at the pleasure of the instructor.* S. L. PROFESSOR CADY.

Course XIV. is elective for those who have taken Course II. in physics and Course V. in mathematics.

XV. JOURNAL MEETING. The instructors of the department meet the graduate students and advanced undergraduates for the purpose of reporting and discussing articles from the current journals of general physics and electricity. *Wed., at 5.* 40 S. L. PROFESSORS CRAWFORD and CADY.

CHEMISTRY.

PROFESSORS ATWATER, BRADLEY, AND BENEDICT.

I.¹ ELEMENTARY CHEMISTRY. This course is devoted to the elementary principles of the science. Each student performs a considerable number of experiments in the laboratory. *Tu., Wed., Th., at 10 (first half-year).* 3 J. H. PROFESSOR BRADLEY. (IX.)

Course I. is required of Classical Sophomores, and of Latin-Scientific Sophomores and Scientific Freshmen who did not receive credit in chemistry on admission to college.

II.² GENERAL CHEMISTRY. Lectures and recitations on general chemistry, with special reference to the chemistry of the metals. It is supplementary to Course I. *Tu., Th., at 10 (second half-year).* 3 J. H. PROFESSOR BENEDICT. (IX.)

Course II. is elective for those who have taken Course I.

III. QUALITATIVE ANALYSIS. A laboratory course in basic, acid, and blow-pipe analysis. Lectures are given on the chemical problems involved in the detection of the more common metals. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (three exercises a week).* CHEM. LAB. PROFESSOR BRADLEY.

Course III. is elective for those who have taken Courses I. and II.

* IV. PRINCIPLES OF GENERAL AND ANALYTICAL CHEMISTRY. A laboratory course, involving a study of the properties and reactions of typical elements and compounds, based upon the periodic

classification of the elements. Experimental demonstration of chemical laws and especially of the principles of analysis. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (three exercises a week)*. CHEM. LAB. PROFESSOR BENEDICT.

Course IV. is elective, with the permission of the instructor, for those who have taken Courses I. and II.

V.² LIQUEFACTION OF GASES. Lectures, with experimental demonstrations, upon the history and theory of the liquefaction of gases, and upon some of the more important results of research at low temperatures. *Tu., Th., at 8 (second half-year)*. 3 J. H. PROFESSOR BRADLEY. (VII.)

Course V. is elective for those who have taken Course I.

*VI. QUANTITATIVE ANALYSIS. Laboratory work in gravimetric and volumetric analysis with lectures and class discussions. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week)*. CHEM. LAB. PROFESSOR BENEDICT.

Course VI. is elective, with the permission of the instructor, for those who have taken Course II. and either Course III. or Course IV.

VII. ORGANIC CHEMISTRY. Lectures and recitations. The principles of organic chemistry as illustrated by the derivatives of methane and benzene. *Mon., Wed., Fri., at 8*. 3 J. H. PROFESSOR BRADLEY. (I.)

Course VII. is elective for those who have taken either Course III. or Course IV.,

VIII.¹ PHYSIOLOGICAL CHEMISTRY. Lectures on biological chemistry with special reference to the chemistry of the food and nutrition of man. *Tu., Th., at 11 (first half-year)*. 3 J. H. PROFESSOR BENEDICT. (X.)

Course VIII. is elective for those who have taken Course II. It is desirable that those who elect it should also elect Course VII.

*IX. ORGANIC CHEMISTRY. A laboratory course devoted to the preparation of compounds of carbon, and to a study of typical reactions of organic chemistry. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week)*. CHEM. LAB. PROFESSOR BRADLEY.

Course IX. is elective, with the permission of the instructor, for those who have taken, or are taking, Course VII.

*X. PHYSIOLOGICAL CHEMISTRY. A laboratory course in the preparation of compounds and in methods of analysis of interest in physiological chemistry. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week).* CHEM. LAB. PROFESSOR BENEDICT.

Course X. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VI., VII. and VIII.

Courses VIII. and X. are recommended to those who purpose to study medicine.

XI. THEORETICAL CHEMISTRY. Lectures upon the origin, development, and present status of the theory of the atom and molecule. *Mon., Fri., at 9.* J. H. PROFESSOR BRADLEY. (II.)

Course XI. is elective for those who have taken either Course III. or Course IV.

*XII. CHEMICAL SEMINARY. Instruction and reading in biological chemistry. Members are required to prepare and formally deliver and defend papers on assigned topics. *Th., 7-10 p. m., counting as three hours for the year.* J. H. PROFESSOR BENEDICT.

Course XII. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VII. and VIII.

GRADUATE INSTRUCTION.

Course XII., although elective for undergraduates, is designed chiefly for graduates.

In addition, the following courses are offered:

XIII. LOW TEMPERATURE INVESTIGATION. Inquiry into special problems connected with the attainment and utilization of extreme low temperatures. Facilities for this work are afforded by the liquid air plant. PROFESSOR BRADLEY.

XIV. BIOLOGICAL CHEMISTRY. Investigation of problems connected with the nutrition of man, conducted with the aid of the respiration calorimeter and accessory apparatus. PROFESSOR BENEDICT.

Courses XIII. and XIV. may also be taken by undergraduates who are candidates for special honors in chemistry at graduation.

GEOLOGY.

PROFESSOR RICE.

I.¹ PHYSICAL GEOGRAPHY. Recitations and lectures, with Tarr's Elementary Physical Geography as a text-book. *Tu., Th., at 3 (first half-year)*. 8 J. H. (XII.)

Course I. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen who did not receive credit in physical geography on admission to college.

II. GEOLOGY. Elementary course. A course of lectures, chiefly on dynamical and structural geology. Dana's Revised Text-book of Geology is recommended for reference. *Tu., Th., at 12*. 8 J. H. (XI.)

Course II. is elective for Classical and Latin-Scientific Juniors, and is required of Scientific Sophomores.

III.¹ GEOLOGY. Advanced course in structural and dynamical geology. Recitations and lectures, with Le Conte's Elements of Geology, and Dana's Revised Text-book of Geology, as text-books. Special topics, with references, assigned from time to time, on which members of the class present reports or lectures. Excursions on Saturdays during the fall. The phenomena observed in an excursion are discussed at the next meeting of the class, one of the members of the class often giving a report or lecture thereon. *Mon., Wed., Fri., at 12 (first half-year), counting as four hours a week*. 8 J. H. (V.)

Course III. is elective for those who have taken Course II. It is desirable, however, that those who take this course should also have taken the course in physical geography.

IV.² GEOLOGY. Historical geology and paleontology. Recitations and lectures, with same text-books as in Course III. Excursions on Saturdays during the spring term (required only of those who take also Course III.). *Mon., Wed., Fri., at 12 (second half-year), counting as four hours a week for those who take also Course III.* 8 J. H. (V.)

Course IV. is elective for those who have taken Course II. It is very desirable, however, that those who take this course should also have taken the courses in zoölogy and botany.

V.¹ MINERALOGY. Crystallography and optical mineralogy. Lectures and practical exercises. Dana's Text-book of Mineralogy is used for reference. *Tu., Th., at 9, Fri., at 5 (first half-year)*. 8 J. H. (VIII.)

Course V. is elective for Classical and Latin-Scientific Juniors and Scientific Sophomores.

VI.² MINERALOGY. Determinative and descriptive mineralogy. Laboratory work in determinative mineralogy, lectures on descriptive mineralogy. Brush and Penfield's Manual of Determinative Mineralogy, and Dana's Text-book of Mineralogy, are used for reference. *Tu., Th., at 9, Fri., at 5 (second half-year).* (VIII.)

Course VI. is elective for those who have taken Course V.

GRADUATE INSTRUCTION.

Courses III., IV., V., and VI., although intended primarily for undergraduates, have often been taken by graduate students.

Additional work is provided for graduate students. This may include courses of reading in various branches of geological science, field work, or laboratory work.

BIOLOGY.

PROFESSOR CONN; MR. BUDINGTON.

I.¹ GENERAL BIOLOGY. This course is devoted to the study of the simpler laws of life, and the relations of animals and plants. Practical study is made of the earthworm, the frog, and some common plants, which are used as illustrating the general structure and physiology of animals and plants. This course is largely laboratory work and is designed as an introduction to the study of botany, zoölogy, and physiology. *Mon., Wed., 2-4 (first half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and MR. BUDINGTON. (VI.)

Course I. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen.

II.² BOTANY. This course is a continuation of Course I., and consists of lectures and recitations, and of a large amount of practical work. It includes the study of physiological, morphological, structural, and microscopic botany. The course is chiefly devoted to the study of cryptogams, but this is followed by a short study of phenogams. The last four weeks are devoted to the analysis and description of flowers. *Mon., Wed., 2-4 (second half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and MR. BUDINGTON. (VI.)

Course II. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen who did not receive credit in botany on admission to college.

III. ZOOLOGY. Lectures and recitations. Hertwig's Manual of Zoölogy. Typical examples, illustrating the various groups of the animal kingdom, are studied, attention being given to the general laws of development and the interrelationships of groups rather than to the systematic classification of species. The course includes the embryology of the various forms studied, as well as their adult anatomy, and in some groups paleontological evidence and general biological problems are discussed. *Mon., Wed., Fri., at 9.* 8 J. H. MR. BUDINGTON. (II.)

Course III. is elective for Classical Juniors and for Latin-Scientific and Scientific Sophomores.

IV. PHYSIOLOGY. The instruction is given chiefly by lectures, Martin's Human Body being used as a text-book. Enough anatomy is given to render the physiological discussions intelligible, and enough hygiene to guide to an intelligent care of the body. *Mon., Wed., at 8.* 8 J. H. PROFESSOR CONN and MR. BUDINGTON. (I.)

Course IV. is elective for Classical and Latin-Scientific Juniors, and is required of Scientific Sophomores.

*V. PRACTICAL BIOLOGY. The design of the courses in practical biology is to furnish opportunity for special biological work along such lines as may be best adapted to the future plans of the student. Those intending to study medicine devote their attention largely to the study of animals, including the dissection of some mammal. Those desiring a more general course make a brief examination of various groups of the animal and vegetable kingdom.

Those electing the study for more than one year, spend the first year in the study of biology in general, making a careful study of illustrative types of the different groups of the animal and vegetable kingdoms, such as amoeba, infusoria, hydra, earthworm, bacteria, yeast, mold, lichen, moss, flowering plant, etc. The laboratory work is planned to illustrate, as far as possible, the principles of biology, comparative anatomy, and embryology. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and MR. BUDINGTON.

Course V. is elective, with the permission of the instructor, for Sophomores.

VI. PRACTICAL BIOLOGY. The second year in practical biology is devoted to the study of histology, bacteriology, embryology, and mammalian anatomy. During the second half-year each student may pursue some special work assigned by the instructor. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week)*. BIOL. LAB. PROFESSOR CONN and MR. BUDINGTON.

Course VI. is elective for those who have taken Course V.

VII. PRACTICAL BIOLOGY. A course in laboratory work in continuation of Course VI. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week)*. BIOL. LAB. PROFESSOR CONN.

Course VII. is elective for those who have taken Course VI.

Courses V.-VII. are accompanied by lectures and recitations. The outline of the courses is somewhat variable and is determined according to the purposes and needs of each student.

VIII. EVOLUTION. A course of lectures and recitations, giving an outline of the general theory of evolution. Conn's *The Method of Evolution* is used as a text-book. *Tu., Th., at 8*. 8 J. H. PROFESSOR CONN. (VII.)

Course VIII. is elective for Juniors.

[IX.¹ BACTERIOLOGY. Conn's *Agricultural Bacteriology* is used as a text-book, and is supplemented by lectures on pathological bacteriology, special attention being given to sanitary problems. *Twice a week (first half-year)*. PROFESSOR CONN.]

Course IX. is elective for Juniors. Courses VIII. and IX. are given in alternate years, Course IX. being omitted the present year.

EXAMINATION GROUPS.

No student is allowed to take more than one course in any of these groups, with the exception of those (bracketed together) which are not given in the same half-year. The following courses are not assigned to any group, and they may be elected without limitation: IV., XVIII. Latin; III., IX., XII. Greek; III. German; III. French; Debate; Public Speaking; I. A., VI. History; VIII. Economics; X. Philosophy; Theism; III., IV., X., XI., XIII., XIV., XV. Physics; III., IV., VI., IX., X., XII. Chemistry; V., VI., VII. Biology.

I.—*M., W., F., at 8.*

- V. Greek.
- I. German.
- Advanced Italian, *M., W.*
- *Dante in English, *F.*
- IV. History.
- VI. Mathematics, *W., F.*
- VII. Chemistry.
- Physiology, *M., W.*

II.—*M., W., F., at 9.*

- I. Latin, *also Th.*
- { IX. Latin, *M., W.*
- { XIII. Latin, *M., W.*
- Spanish, *W., F.*
- IV. English Literature.
- II. Economics, *W., F.*
- VII. Mathematics, *W., F.*
- XII. Physics, *W., F.*
- XI. Chemistry, *M., F.*
- Zoölogy.

III.—*M., W., F., at 10.*

- XVII. Latin, *M., F.*
- I. Greek, *T., W., Th., F.*
- § VIII. Greek, *W., F.*
- { Psychology.
- { VI. Philosophy, *W., F.*
- IX. Philosophy, *M.*
- I. Physics.

IV.—*M., W., F., at 11.*

- XV. Latin, *W.*
- II. German.
- VI. German, *W., F.*
- II. French.
- VII. English Literature, *M., W.*
- † VIII. English Literature, *F.*
- { IV. Philosophy, *M., W.*
- { V. Philosophy, *M., W.*
- II. Mathematics, *M., W.*
- VIII. Physics.

* May be elected with Advanced Italian.

‡ May be elected with Psychology.

† May be elected with VII. English Literature.

V.—*M., W., F., at 12.*

V. German.

I. English Literature, *M., W.*

VII. English Language, *M., W.*

III. History.

I. Mathematics, *M., T., Th., F.*

{ III. Geology.

{ IV. Geology.

VI.—*M., W., F., at 3.*

I. French.

III. Philosophy, *M., W.*

{ General Biology, *M., W.*

{ Botany, *M., W.*

VII.—*T., Th., at 8.*

{ IV. German.

{ IX. German.

I. English Language, *T., also T., W., at 9.*

I. History.

X. Mathematics.

{ VII. Physics, *Th., also W., at 10, F., at 11.*

{ IX. Physics, *also F., at 11.*

V. Chemistry.

Evolution.

VIII.—*T., Th., at 9.*

{ II. Latin.

{ III. Latin.

*V. French, *T.*

VI. French, *Th.*

I. Economics.

Mineralogy.

IX.—*T., Th., at 10.*

Logic.

{ Ethics.

{ Evidences.

{ I. Chemistry, *also W.*

{ II. Chemistry.

X.—*T., Th., at 11.*

VI. Latin.

II. Greek.

IV. French.

V. Economics.

{ XI. Philosophy.

{ XII. Philosophy.

IV. Mathematics.

II. Physics.

VIII. Chemistry.

XI.—*T., Th., at 12.*

{ VIII. Latin.

{ X. Latin.

VII. German.

III. English Language, *also F.*

VI. Economics.

V. Mathematics, *also F.*

II. Geology.

XII.—*T., Th., at 3.*

VII. Greek.

VI. English Language.

{ VII. Philosophy.

{ VIII. Philosophy.

Physical Geography.

* May be elected with VI. French.

SELECTION OF STUDIES.

The studies which are required of students in the respective classes and courses are indicated below. In addition to these, each student of the three upper classes is required to elect such a number of studies that his *average* number of recitations and lectures a week for the year, exclusive of rhetorical exercises, shall be not less than 14 nor more than 17. The minimum requirement for Freshmen is 15 recitations and lectures a week for the year, the maximum is 17. Elections must be made in accordance with the restrictions specified in the description of the respective courses in the foregoing statement of the courses of instruction. *No student is allowed to take more than one course in any examination group (see pages 70, 71), with the exception of those which are not given in the same half-year.*

SCHEDULE OF REQUIRED COURSES.

N. B.—The numbers in *italics* indicate the average number of hours a week for the year.

CLASSICAL COURSE.

FRESHMEN:—I. Latin, *4*; I. Greek, *4*; I. Mathematics, *4*; I. English Language, *2*; I. German, or I. French, *3*.

SOPHOMORES:—Logic, *1*; I. Physics, *2½*; I. Chemistry, *1½*.

JUNIORS:—Psychology, *1½*; I. Economics, *2*. (I. Economics may be postponed to the Senior year, or may be taken, with the permission of the instructor, in the Sophomore year.)

SENIORS:—Ethics, *1*; Evidences of Christianity, *1*.

LATIN-SCIENTIFIC COURSE.

FRESHMEN:—I. Latin, 4; I. Mathematics, 4; I. English Language, 2; Physical Geography, General Biology, and Botany, 3; I. or II. French, or I. or II. German, 3. (See page 47.)

SOPHOMORES:—Logic, 1; I. Physics, 2½; I. Chemistry, 1½.

For such part of the courses in science or modern languages above named as students may have passed in at entrance, they are allowed to substitute enough elective work to fill out the required quota of exercises a week.

JUNIORS:—Psychology, 1½; I. Economics, 2. (See requirements for classical course.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

SCIENTIFIC COURSE.

FRESHMEN:—Not less than fifteen hours a week of the following courses: I. Mathematics, 4; I. English Language, 2; I. German, 3, and II. French, 3, or II. German, 3, and I. French, 3 (see page 47); I. Physics, 2½; I. Chemistry, 1½; Physical Geography, General Biology, and Botany, 3.

For such of these studies as students may have passed in at entrance, they are allowed to substitute elective work.

SOPHOMORES:—II. German, 3, or II. French, 3 (see page 47); Logic, 1; Geology, 2; Physiology, 2.

JUNIORS:—Psychology, 1½; I. Economics, 2. (See requirements for classical course.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

In addition to the courses indicated in the foregoing statement, exercises in English composition are required of Freshmen, Sophomores, and Juniors, and exercises either in English composition or in public speaking of Seniors. (See pages 49 and 50.)

DAILY PROGRAM, 1906-1907.

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8.	V. Greek. I. German, 1. I. French, 1. Advanced Italian. IV. History. VII. Chemistry. Physiology.	IV. German (1st half). IX. German (2d half). I. English Language, 1. I. History. Logic, 1 (2d half). X. Mathematics. IX. Physics (2d half). V. Chemistry (2d half). Evolution.	V. Greek. I. German, 1. I. French, 1. Advanced Italian. IV. History. VI. Mathematics. VII. Chemistry. Physiology.	IV. German (1st half). IX. German (2d half). I. History. Logic, 1 (2d half). X. Mathematics. VII. Physics (1st half). IX. Physics (2d half). V. Chemistry (2d half). Evolution.	V. Greek. I. German, 1. I. French, 1. Dante in English. IV. History. VI. Mathematics. VII. Chemistry.
9.	I. Latin, 1. IX. Latin (1st half). XIII. Latin (2d half). IV. English Lit. (1st half). I. Mathematics, 1. XI. Chemistry. Zoology.	II. Latin (1st half). III. Latin (2d half). V. French. I. English Language, 2. I. Economics. I. Mathematics, 1. Mineralogy.	I. Latin, 1. IX. Latin (1st half). XIII. Latin (2d half). Spanish. IV. English Lit. (1st half). I. English Language, 3. II. Economics. VII. Mathematics. XII. Physics. Zoology.	I. Latin, 1. II. Latin (1st half). III. Latin (2d half). VI. French. I. Economics. I. Mathematics, 1. Mineralogy.	I. Latin, 1. Spanish. IV. English Lit. (1st half). II. Economics. I. Mathematics, 1. VII. Mathematics. XII. Physics. XI. Chemistry. Zoology.
10.	XVII. Latin. Debate (1st half). Psychology (1st half). IX. Philosophy. I. Mathematics, 2. I. Physics.	I. Greek. Logic, 2 (2d half). Ethics (1st half). Evidences (2d half). I. Mathematics, 2. I. Chemistry (1st half). II. Chemistry (2d half).	I. Greek. VIII. Greek (2d half). Psychology (1st half). VI. Philosophy (2d half). I. Physics (1st half). VII. Physics (1st half). I. Chemistry (1st half).	I. Greek. Logic, 2 (2d half). Ethics (1st half). Evidences (2d half). I. Mathematics, 2. I. Chemistry (1st half). II. Chemistry (2d half).	XVII. Latin. I. Greek. VIII. Greek (2d half). Psychology (1st half). VI. Philosophy (2d half). I. Mathematics, 2. I. Physics.
11.	I. Latin, 2. II. German.	VI. Latin. II. Greek.	I. Latin, 2. XV. Latin. II. German.	I. Latin, 2. VI. Latin.	I. Latin, 2. III. Greek.

DAILY PROGRAM, 1906-1907.—(Continued.)

Regr.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
11. Con.	II. French. III. English Lit. (1st half). IV. Philosophy (1st half). V. Philosophy (2d half). VI. Mathematics. VII. Physics. VIII. Chemistry (1st half).	IV. French. V. Economics. XI. English Lit. (1st half). XII. Philosophy (1st half). IV. Philosophy (2d half). II. Mathematics. VIII. Chemistry (1st half).	VI. German (1st half). II. French. VII. English Lit. (1st half). V. Philosophy (1st half). V. Philosophy (2d half). II. Mathematics. VIII. Physics.	II. Greek. V. French. V. Economics. XI. Philosophy (1st half). XII. Philosophy (2d half). IV. Mathematics. II. Physics. VIII. Chemistry (1st half).	II. German. VI. German (1st half). II. French. VIII. English Lit. (1st half). VII. Physics (1st half). VIII. Physics. IX. Physics (2d half).
12.	I. Latin, 3. I. German, 2. V. German. I. English Lit. (1st half). VII. English Language. III. History. I. Mathematics, 3. III. Geology (1st half). IV. Geology (2d half).	VIII. Latin (1st half). X. Latin (2d half). VII. German (2d half). III. English Language. V. Economics. I. Mathematics, 3. V. Mathematics. II. Geology.	I. Latin, 3. I. German, 2. V. German. I. English Lit. (1st half). VII. English Language. III. History. I. Mathematics, 3. III. Geology (1st half). IV. Geology (2d half).	I. Latin, 3. VIII. Latin (1st half). X. Latin (2d half). VII. German (2d half). III. English Language. VI. Economics. I. Mathematics, 3. V. Mathematics. III. Geology (1st half). IV. Geology (2d half).	I. Latin, 3. I. German, 2. V. German. III. English Language. III. History. I. Mathematics, 3. V. Mathematics. III. Geology (1st half). IV. Geology (2d half).
2.	II. German, 2 (1st half). III. French. III., IV., VI., IX., X. Chemistry. General Biology (1st half). Botany (2d half).	IX. Greek. III. German. III., IV., X., XI., XIII. Physics. V., VI., VII. Biology.	II. German, 2 (1st half). III. French. III., IV., X., XI., XIII. Physics. III., IV., VI., IX., X. Chemistry. General Biology (1st half). Botany (2d half). V., VI., VII. Biology.	IX. Greek. III., IV., X., XI., XIII. Physics. V., VI., VII. Biology.	II. German, 2 (1st half). III., IV., VI., IX., X. Chemistry. istry.
3.	I. French, 2. III. Philosophy. III., IV., VI., IX., X. Chemistry. General Biology (1st half). Botany (2d half).	IV. Latin. VII. Greek (1st half). VII. English Language. VII. Philosophy (1st half). VIII. Philosophy (2d half). III., IV., X., XI., XIII. Physics.	I. French, 2. III. Philosophy. III., IV., X., XI., XIII. Physics. III., IV., VI., IX., X. Chemistry. General Biology (1st half). Botany (2d half). V., VI., VII. Biology.	VII. Greek (1st half). VI. English Language. VII. Philosophy (1st half). VIII. Philosophy (2d half). III., IV., X., XI., XIII. Physics. Physical Geog. (1st half). V., VI., VII. Biology.	I. French, 2. III., IV., VI., IX., X. Chemistry. istry.

DAILY PROGRAM.

The order of lectures and recitations is set forth in the table given on pages 74 and 75. Roman numerals preceding the names of certain studies refer to the numbers of the courses as enumerated in the foregoing statement of courses of instruction. Arabic numerals, following the names of certain studies, indicate the sections into which the classes are divided.



DEPARTMENTAL AND OTHER LECTURES, 1905-1906.

In addition to the Courses of Instruction named above, lectures are given each year under the auspices of various departments or of associations connected with the University. Most of these lectures are open to the public. In 1905-06 were given the following:

DEPARTMENTAL LECTURES.

DEPARTMENT OF PHILOSOPHY.—Professor George Malcolm Stratton, Johns Hopkins University. Subject: "Optimism and the Scientific Method."

Professor Charles Montague Bakewell, Yale University. Subject: "Emerson's Philosophy."

Professor Walter Parke Bradley. Subject: "Modern Theories of Matter."

DEPARTMENT OF HISTORY.—Professor Henry Morse Stephens, University of California. Subject: "Mirabeau and the Early Days of the French Revolution."

Professor Max Farrand, Leland Stanford Junior University. Subject: "The Frontiersmen in Colonial Times."

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The Middletown Scientific Association, founded in 1871, has a membership of about ninety, taken partly from the college and partly from the town. Regular meetings are held on the second Tuesday of every month during the college year, in the lecture room of the John Bell Scott Memorial. During 1905-06 the following addresses were given:

Professor Willoughby D. Miller, Berlin University. Subject: "Symbiosis and the Role of Bacteria in Digestion."

Professor William North Rice. Subject: "Two Types of Mountain Topography and Structure."

Dr. G. DeN. Hough, of the New Bedford Hospital, New Bedford, Mass. Subject: "Some of the Achievements of Modern Surgery."

Professor Dallas L. Sharp, Boston University. Subject: "The Lay of the Land."

Professor Charles Hubbard Judd, Yale University. Subject: "Is there a Science of Education?"

Austin F. Hawes, State Forester of Connecticut. Subject: "The Preservation of the Forests by Wise Use."

A. Lawrence Rotch, Director of the Blue Hill Meteorological Observatory. Subject: "Recent Investigations at Great Heights above the American Continent and the Atlantic Ocean."

Professor Norman Everett Gilbert, Dartmouth College. Subject: "The Observation of a Solar Eclipse."

Professor Francis Gano Benedict. Subject: "The Respiration Calorimeter and Factors of Human Nutrition."

Professor Walter Parke Bradley. Subject: "A Small Air Liquefier for the Lecture Table."

THE CLASSICAL CLUB.

The Classical Club was founded in 1906 by about twenty of the students taking classical courses. Meetings are held every three weeks during the college year. The following address was given before the club:

Professor Thomas D. Seymour, Yale University. Subject: "Homeric Viands."

GENERAL REGULATIONS.*

REGISTRATION.

Every student is required to register at the office of the Secretary of the Faculty, and present to the Secretary a list of the studies which he proposes to take, at the beginning of the first term of each year. A fee of two dollars must be paid by each student who fails to register at the appointed day and hour.

QUOTA OF STUDIES.

For students of the three upper classes, the quota of regular studies is not less than fourteen hours nor more than seventeen hours of class-room work a week, exclusive of rhetorical exercises. The quota for Freshmen (see pages 72 and 73) varies from fifteen to seventeen hours of class-room work a week. No student is allowed to take less than fourteen hours nor more than seventeen hours of work a week without special permission from the Administration Committee of the Faculty.

GRADES.

The general character of the work of each student in each study is indicated by his assignment to one of five grades, grade 1 denoting the highest excellence, and grade 5, failure to pass. The Secretary of the Faculty sends to each student, within three weeks after Commencement, a report of his grades in all the studies which he has taken during the year.

* Copies of the detailed Regulations may be obtained from the Secretary of the Faculty.

EXAMINATIONS.

Regular examinations are held at the end of the year, and during a specified period in February. Examinations in Freshman mathematics are held at the end of each term. The allowance of absence from recitations is, in courses running through the year, three times the number of required exercises a week; in courses running through a half year, or through a term, the allowance is proportionately diminished. A student who has taken the allowed number of absences in any course, exclusive of those excused by the President or by the Committee on Athletic and Musical Organizations, receives a warning; he must thereafter present an excuse for every absence taken in that course, and in case he shall have two unexcused absences subsequent to such warning, he is excluded from examination and must take a special examination later, paying a fee of five dollars. In the application of this rule, absences from the first or the last exercise of a term in any study, or consecutive absences including the first or the last exercise, are each reckoned as two absences. Absences of the same nature before or after the Thanksgiving recess are each reckoned as two absences.

For the benefit of all students who have been absent from any of the examinations during the preceding part of the year, or who have failed to pass in the same, special written examinations are held during the third term at times announced by the Secretary of the Faculty; provided that application for such examination is made by the candidate on or before the first Monday of that term.

Special written examinations are held during the week commencing with the Tuesday before the beginning of the first term for all who have been absent from any of the examinations of the previous year, or who have failed to pass in the same, except those who have been examined and failed to pass at both the regular examination in the first or second term and the special examination in the third term.

A student who fails to pass a final examination in any study before that study is taken up by the next succeeding class, is required, unless specially excused therefrom, to recite with that class. If, at the close of the special examinations held at the beginning of the year, a student is deficient by an amount equivalent to six or more hours of work a week for a year, he is ranked with the next lower class, unless specially excused therefrom by the Administration Committee of the Faculty.

ENTRANCE CONDITIONS.

A student who fails to make up entrance conditions on or before the first day of November of the next college year, is excluded from all recitations until the conditions are made up.

PUBLIC WORSHIP.

Devotional services, at which the attendance of students is required, are held in Memorial Chapel every morning.

Church attendance is not required, but students are recommended to become regular attendants at some one of the churches in the city.

Voluntary religious services under the direction of the Young Men's Christian Association are held weekly.

LEAVE OF ABSENCE.

A student who desires excuse from college exercises on account of absence from town must apply to the President for permission to be absent, and, unless the circumstances of the case render it impracticable, such permission must be obtained before the student's departure.

ATHLETIC AND MUSICAL ORGANIZATIONS.

No member of the Senior or Junior class who is deficient in his college work more than two hours a week for a year, and no member of the Sophomore class who is deficient more than three hours a week for a year, is allowed to take part, as a member of a University athletic team, in any athletic contest, except by special permission; and any student whose college work becomes unsatisfactory at any time during the year may be debarred from taking part in such a contest.

Members of the college musical organizations, who are deficient as specified in the preceding paragraph, are not allowed to appear in public concerts given by those organizations.

No student under censure is allowed to serve, without permission of the Faculty, in any capacity on an athletic organization or on a musical association giving public concerts.

No freshman who has entrance conditions amounting to three points is allowed to represent the college on any athletic or musical organization.

The administration of eligibility rules in athletics and the approval of schedules of games is in the hands of the Athletic Council, in which the Faculty is represented.

EXPENSES.

The annual charges in the Treasurer's bill are as follows:—

Tuition,	-	-	-	-	-	-	-	-	\$85 00
Incidentals,	-	-	-	-	-	-	-	-	34 00
Use of library and reading-rooms,	-	-	-	-	-	-	-	-	6 00
Total,	-	-	-	-	-	-	-	-	\$125 00

Rooms are available for students this year in three college buildings, at a cost, including heat, of from \$45.00 to \$120.00 a year each. It is expected that North College will be rebuilt and ready for occupancy at the beginning of the next college year.

For the laboratory courses in physics, chemistry, and biology, fees are charged, which vary with the nature of the course and with the number of exercises elected per week. The fee for each exercise per week in practical physics, in practical biology, and in III., IV., and X. Chemistry, is five dollars; in VI. Chemistry, eight dollars; and in IX. Chemistry, ten dollars. Students electing the chemical courses named are required to make a deposit of five dollars, which is refunded at the close of the course after charges for breakage have been deducted.

Women students must reside in the Women's Hall unless they live in their own homes in the city. Those residing in the Women's Hall are charged at the rate of five dollars and a half a week for board and room-rent. Those residing in the city are charged two dollars a term for the use of the study-room in the Women's Hall.

A diploma fee of five dollars is charged to each student at graduation.

A fee of five dollars is required of every candidate for the Master's degree before his course of study can be approved by the Committee on Graduate Instruction.

A diploma fee of ten dollars is charged to each graduate student upon promotion to the Master's degree.

The college bills are payable soon after the beginning of each term; a rebate of one dollar is made on all college bills that are paid on or before the day appointed. Unless the bill for any term is paid, or payment thereof guaranteed, before the commencement of the following term, the student is liable to exclusion from recitations.

No student can have an honorable dismissal, or certificate of progress in his studies, until his bills are paid or payment thereof guaranteed.

A student who is absent from college on account of sickness, or for other cause, and who retains his place in his class, must pay the full college bills during his absence.

The rooms in the college buildings are rented to students during term time only, and must be vacated at the close of the third term. Students are held accountable for any damage done to their rooms.

Male students are permitted to take lodgings in town, but the places in which they room or board are in all cases subject to the approval of the Faculty. If any of the rooms in the college are thus left vacant, the rent of such rooms may be charged to holders of free scholarships who room in town.

Board may be obtained in private families at prices varying from \$3.75 to \$5.00 a week. The college fraternities maintain clubs which supply board to their members at prices ranging from \$3.00 to \$4.00 a week. The price of board at the college commons is \$2.35 a week.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. The instances have been extremely rare in which students of good ability and health have been compelled to leave the college for want of money.

THE COMMONS.

In order to reduce the expense of a college course, the college maintains a commons, where board may be obtained at a low rate. The dining hall affords accommodation for about one hundred boarders. The upper rooms of the house are rented unfurnished for dormitory purposes, at lower rates than the rooms in other college dormitories.

The college is responsible for the general management of the commons, the details being in charge of a matron who is responsible to a college officer. Bills are paid into the college treasury, and the college assumes all financial responsibility. The rate of board has been fixed at two dollars and thirty-five cents a week.

MATERIAL EQUIPMENT.

NEW BUILDINGS.

WILLBUR FISK HALL, opened in the summer of 1904, is occupied by the Departments of Language, Literature, History, Economics, and Philosophy. It is of Portland brown-stone and practically fire-proof, 113 by 62 feet in dimensions, three stories in height above a lofty and well-lighted basement story, and cost one hundred and fourteen thousand dollars. It contains ten private studies for professors in charge of departments, fourteen lecture rooms, seven commodious seminary rooms, and a well-appointed psychological laboratory.

In the planning and construction of the building careful attention was paid to matters of heating, lighting, ventilation and drainage. It is believed that in dignity of external appearance, interior finish, convenience of arrangement, and adaptation at all points to the uses for which it is designed, it is a model college building.

THE JOHN BELL SCOTT MEMORIAL, a new Physical Laboratory, was completed in 1904 at a cost of one hundred and eighteen thousand dollars. It is the gift of the late Charles Scott and of his son, Charles Scott, of the class of 1886, in memory of John Bell Scott, of the class of 1881, who died of disease contracted while serving as Chaplain of the U. S. Cruiser *St. Paul* during the Spanish-American war.

It is a beautiful and imposing building constructed of Harvard brick and Indiana limestone. Its main part has a frontage of 102 feet and a depth of 51 feet, and in the rear is an extension 50 by 30 feet. The building consists of basement, three stories, and attic, except that the third story is omitted in the extension. The main lecture room contains nearly two hundred seats, and there is a smaller lecture room seating about forty persons. The building contains twenty-two rooms for experimental work, elementary and advanced, in addition to lecture and apparatus rooms, photographic dark rooms, storerooms, offices, a library, and a room for draughting and computing. There is also a tower 4 by 6 feet in cross section, with a height of 54 feet in the clear, which can be used for experiments requiring great vertical extension.

The building is equipped with an exceptionally extensive and complete system of wiring for the purpose of distributing to all points, for experimental use, alternating and direct currents from the city mains, as well as current from the storage batteries in the basement. For the most part the interior is finished with exposed brick walls, painted a light tint, and with exposed floor timbers and pipe work.

THE NEW DORMITORY, to replace North College, will be completed for occupancy as a dormitory for men, in September, 1907. It will be of Portland brown-stone, practically fire proof, 152 x 48½ feet in dimensions, four stories in height above a basement, and will cost about \$125,000. The building will contain one hundred and one rooms, arranged to satisfy varying demands. There will be twenty-four rooms for one student, and ten single rooms, twenty-three suites of two rooms, and seven suites of three rooms for two students. There will be lavatories in the basement and on the third floor, supplied with tub and shower baths. The floor construction is to be of reinforced concrete throughout, and the stairs of iron and slate. The building will be heated by steam from the central heating plant, and all rooms will be lighted by electricity. All partitions in the basement, corridors and stair-wells are to be of hollow terra-cotta brick.

SOUTH COLLEGE, which formerly was used for recitation rooms and studies, has been remodelled to serve as an administration building. The entrance to the building has been raised and a new flight of steps constructed as an approach. The old wooden staircases have been replaced by new ones of iron, with slate treads. The first floor is used as a storeroom by the library. The second and third floors contain private offices for the President and Secretary, a stenographer's room and a storeroom, and a spacious room, finished in quartered oak, to be used for faculty meetings and as a general office. On the fourth floor are a number of two-room suites for dormitory use.

LIBRARY AND READING ROOMS.

THE LIBRARY in Rich Hall contains about seventy-four thousand volumes. The library is open every week-day of the college year from 8 A. M. to 10 P. M. Students are allowed direct access to the shelves. Copies of the library rules may be obtained from the Librarian.

The increase of the Library is provided for from the income of funds amounting to \$86,413. The Alumni Library Endowment of \$35,761 is the aggregate of numerous gifts from alumni and friends of the University. The Hunt Library Endowment of \$30,391 was willed to the University by the late Rev. Albert Sanford Hunt, D. D., of the class of 1851. The Wilcox Library Endowment of \$20,261 was willed to the University by the late Mrs. Stephen Wilcox.

On the first floor of Memorial Chapel is a reading-room, provided with daily and weekly newspapers. Another reading-room, on the second floor of Rich Hall, contains the current issues of the most important magazines and reviews, literary and scientific, American and foreign.

ASTRONOMICAL OBSERVATORY.

THE OBSERVATORY is used for purposes of instruction, and is well equipped therefor. Students in astronomy have frequent opportunities to examine the most interesting celestial objects through the telescope; and members of the class in practical astronomy are instructed in the theory and use of all the instruments in the observatory.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

A gift was received in 1903 from the late Joseph Van Vleck of Montclair, New Jersey, to be used toward the erection and equipment of a new astronomical observatory. This gift, with its accumulations, now amounts to about \$40,000.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to

meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a photographic registering apparatus, a chronograph, a Wheatstone stereoscope, a double projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a fall-tachistoscope for class-room demonstration, and a mirror exposure apparatus of new design for studies in the psychology of reading.

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 84. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In the department of electricity, facilities are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25 horse-power Ball engine and a $17\frac{1}{2}$ kilowatt direct current dynamo, which are used to generate part of the current required for lighting the college buildings, advanced students in the electrical courses being employed as engineers.

THE CRAWFORD MEMORIAL FUND. A fund of five thousand dollars has been given by Hanford Crawford, of St. Louis, in memory of the Reverend Morris D'Camp Crawford, who was a Trustee of Wesleyan University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the department of physics, or to the promotion of research in the same department.

THE CHEMICAL LABORATORY occupies six rooms in Judd Hall. A large working-room on the first floor, with a balance room adjoining, furnishes accommodations for about fifty students, and smaller rooms afford conveniences for the work of instructors, assistants, and graduate students. Two other rooms on the first floor are used for library, seminary, and office purposes.

THE LABORATORY FOR THE STUDY OF THE NUTRITION OF MAN is located in the basement of Judd Hall. Its equipment consists of a large respiration calorimeter, a bomb calorimeter and accessory analytical apparatus.

THE CRYOGENIC LABORATORY furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a complete liquid air plant, including a kerosene motor, a Norwalk compressor which delivers about 15 cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about $2\frac{3}{4}$ liters of liquid air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Four rooms are used for general laboratory purposes, of which one is devoted to miscellaneous laboratory work, one to physiological work, one to coarse dissection, and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study. The students of the department have also the advantage of the use of the State Bacteriological Laboratory, recently located on the college campus.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanic. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenezer Hill, Esq., of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAYERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wylls Street. Its dimensions are 55 by 120 feet.

The basement contains two bowling alleys, a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof, above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation, drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

The gymnasium is in charge of a competent director. Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is afforded for baseball, football, and field and track athletics. An outdoor board track has recently been built by one of the college fraternities. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practice at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. This department includes about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a most valuable accession in the gift of a set of the educational series of rock specimens described in Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection. The collections in paleontology have been very largely increased since 1893 by the work of the present curator in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in

the vicinity of Chattanooga, Tenn., Cañon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. Especially important among these accessions are the collections of fossil fishes and plants from the Triassic shales of the Connecticut valley, and of Tertiary fishes and plants from Fossil, Wyo., and Tertiary plants and insects from Florissant, Col. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by Clarence S. Wadsworth, B. A.; and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., and by Mrs. W. W. Wilcox. The collection of coins numbers over 3,000, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Another collection of Chinese coins, numbering over 200, and representing the series of dynasties from the fifth century B. C. to the present time, was received in 1903 from Rev. John Gowdy, B. A., of the Anglo-Chinese College, Foo Chow. A valuable collection of Greek and Roman coins and facsimiles of such coins, and casts of historical medals, was presented to the Museum in 1906 by Stephen H. Olin, LL. D. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy and geology. The coins (with the exception of a small selection placed on exhibition

in the museum) are kept in a case in the library, where they can be seen by students and others on special application. Small collections illustrative of classical archæology are kept in the seminary rooms.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOOLOGY.

Mammals—skins mounted and unmounted,	-	-	-	-	-	-	-	200
alcoholic,	-	-	-	-	-	-	-	50
skulls and skeletons,	-	-	-	-	-	-	-	110
Birds—skins mounted and unmounted,	-	-	-	-	-	-	-	1,700
nests and eggs,	-	-	-	-	-	-	-	600
Reptiles,	-	-	-	-	-	-	-	350
Amphibians,	-	-	-	-	-	-	-	150
Fishes,	-	-	-	-	-	-	-	2,100
Insects—pinned and alcoholic,	-	-	-	-	-	-	-	6,500
nests, borings, etc.,	-	-	-	-	-	-	-	50
Crustacea,	-	-	-	-	-	-	-	1,500
Worms,	-	-	-	-	-	-	-	1,800
Mollusks—shells,	-	-	-	-	-	-	-	90,000
alcoholic,	-	-	-	-	-	-	-	4,000
Echinoderms,	-	-	-	-	-	-	-	1,000
Cœlentera,	-	-	-	-	-	-	-	1,700
Sponges and protozoa,	-	-	-	-	-	-	-	150

DEPARTMENT OF BOTANY.

Plants in herbarium,	-	-	-	-	-	-	-	10,700
Specimens of wood,	-	-	-	-	-	-	-	300
Miscellaneous botanical specimens,	-	-	-	-	-	-	-	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks,	-	-	-	-	-	-	-	21,000
Fossils—Paleozoic,	-	-	-	-	-	-	-	11,500
Mesozoic,	-	-	-	-	-	-	-	3,600
Cenozoic,	-	-	-	-	-	-	-	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens,	-	-	-	-	-	-	-	3,000
Coins,	-	-	-	-	-	-	-	5,500

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, B. A., of the class of 1859. In accordance with its provisions, the income of \$6,851 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIP.

This scholarship was founded by Miss Louisa Loveland. The income of \$2,535 is available, at the discretion of the Faculty, for the use of a deserving student who needs pecuniary assistance. For this scholarship only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church, can be candidates.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,026 is given annually to that member of the Senior or Junior class who is named by the Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Frank S. Jones Scholarship Fund, \$1,013,
founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$3,532, founded by
William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,110, founded by John
J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory
of Hon. George W. Shonk, B. A., of the class of 1873.

The Starks Scholarship Fund, \$1,019, founded by Mrs.
Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,018,
founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,039, founded by
Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$2,054, founded by
James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$10,187, founded by Mrs.
Annie M. Swift, of Chicago, Ill., in memory of her husband,
Gustavus F. Swift.

The George G. Reynolds Scholarship Fund, \$2,000,
founded by Hon. George G. Reynolds, LL. D., class of 1841,
of Brooklyn, N. Y.

The Cyrus D. Jones Scholarship Fund, \$2,500,
founded by Cyrus D. Jones, of Scranton, Pa.

LOAN FUND.

Besides the scholarships above mentioned, there is a small fund from which loans are made to deserving students in the Junior and Senior classes. These loans bear a moderate rate of interest and are payable usually after graduation.

COLLEGE HONORS.

PRIZES.

THE HARRINGTON PRIZE.—A prize of fifty dollars, the gift of Rev. Edmund Mead Mills, D. D., in memory of Professor C. S. Harrington, is awarded for the best essay on some specified subject in the department of history. The subject for the essay of 1907 is: Connecticut, 1789-1809; Federalism and Anti-Federalism. The competition is open to Juniors and Seniors who are taking, or have taken, courses in the department other than Course I. The essays must be left with the head of the department on or before May 31, 1907.

THE JOSEPH D. WEEKS PRIZE.—A prize of fifteen dollars is awarded for the best essay on some specified subject in the department of economics. The subject for the essay of 1907 is: Christianity and the Labor Problem. The essays must be left with the head of the department on or before the third Monday in May (May 20, 1907).

THE PEIRCE PRIZE.—A prize of ten dollars, the income of a fund given by Rev. Bradford K. Peirce, D. D., is awarded for excellence in natural science. It will be given in 1907 upon a special examination based on Course IV. in biology. The subject of the examination in 1908 will be chemistry; in 1909, geology.

THE PHI BETA KAPPA PRIZE.—A prize of twenty-five dollars, the gift of the Connecticut Gamma of Phi Beta Kappa, is awarded for excellence in Latin. It will be given in 1907 upon a special examination in the letters of Cicero included in Abbott's edition, and in the personal and political history with which they are concerned.

THE G. BROWN GOODE PRIZE.—A prize of ten dollars, the gift of Mrs. G. Brown Goode, is awarded for the best original investigation in the department of natural history.

THE JOHN BELL SCOTT PRIZE.—A prize of forty-five dollars, the income of a fund given by the late Charles Scott, is awarded for excellence in the modern languages. It will be given in 1907 for the

best essay on "Goethe's Dramas in the Period of Maturity." The essays must be left with the head of the German department on or before June 1, 1907. In 1908 this prize will be given for work done in the life and works of Dante.

No person who has once taken either the Harrington, the Joseph D. Weeks, the Phi Beta Kappa, or the G. Brown Goode prize, may compete for it again.

THE WEEKS PRIZE.—A prize of fifteen dollars is awarded for excellence in modern philosophy. It will be given in 1907 for the best examination in Courses VII. and VIII. in philosophy, and for additional work to be assigned by the instructor.

THE CAMP PRIZE.—A prize of twenty dollars, the income of a fund given in memory of Samuel T. Camp, is awarded for excellence in English literature. It will be given in 1907 upon a special examination in Course I. in English literature.

THE JOHNSTON PRIZE.—A prize of twenty-five dollars, the gift of Rev. David G. Downey, D. D., in memory of Professor John Johnston, is awarded for excellence in electricity. It will be given in 1907 upon a special examination based on Course II. in physics.

THE SPINNEY PRIZE.—A prize of fifteen dollars is awarded for excellence in Greek. It will be given in 1907 for special work based in part on the first half of Course II. in Greek.

THE RICE PRIZE.—A prize of twenty dollars, given in memory of Rev. William Rice, D. D., is awarded for excellence in mathematics. It will be given in 1907 upon a special examination based on Course V. in mathematics.

Students who compete for either the Weeks, the Camp, the Johnston, the Spinney, or the Rice prize must do so during the year in which they regularly pursue the course or courses on which the examination for the prize is based.

THE WISE PRIZE.—A prize of twelve dollars, the income of a fund given by Rev. Daniel Wise, D. D., is awarded to that member of the Senior class who excels in ethics. It will be given in 1907 to that member of the Senior class who presents the best paper on "The Nature and Ethical Significance of Sympathy."

THE WALKLEY PRIZE.—A prize of twenty dollars, the income of a fund given by Webster R. Walkley, M. A.,—*in memoriam* David Hart Walkley, born April 23, 1857; graduated June 27, 1878; died September 16, 1878,—is awarded to that member of the Junior class who excels in psychology. It will be given in 1907 for the best examination on the work of the required course in psychology, together with additional work to be assigned by the instructor.

THE SHERMAN PRIZE.—A prize of ten dollars, the income of a fund given by Rev. David Sherman, D. D., is awarded this year to that member of the Freshman class who excels in Latin. It will be given upon a special examination on two plays of Terence and on a general knowledge of his life and works. The subject of the examination in 1908 will be Greek; in 1909, mathematics.

THE AYRES PRIZE.—A prize of forty-five dollars, the income of a fund given by Daniel Ayres, M. D., LL. D., is awarded to that member of the Freshman class who is found upon a special examination, held shortly after the beginning of the college year, to have attained the highest excellence in the studies preparatory to admission to the classical course.

THE RICH PRIZE.—A prize of twenty-five dollars, the income of a fund given by Isaac Rich, in memory of his wife, is awarded to that member of the Senior class whose oration at Commencement is deemed best in composition and delivery. These orations must not exceed twelve hundred words in length, and must be left with the Professor of English Literature on or before the second Tuesday preceding Commencement (June 18, 1907).

THE OLIN PRIZE.—A prize of sixty dollars, the income of a fund given by Mrs. Julia M. Olin, and increased by Stephen Henry Olin, LL. D., is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1907 is: The Social Ideals of Shelley. The subject for the essay of 1908 is: The Mission of John Ruskin. Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 8, 1907).

JUNIOR EXHIBITION PRIZES.—Two prizes, of twenty and fifteen dollars respectively, are awarded to the two members of the Junior class who present the best orations at the annual Junior Exhibition.

In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 6, 1907).

THE BRIGGS PRIZE.—A prize of sixty dollars, the income of a fund given by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

THE CALEF PRIZE.—A prize of fifty dollars, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

THE PARKER PRIZE.—A prize of ten dollars, the income of a fund given by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

THE HIBBARD PRIZE.—A prize of ten dollars, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

THE TAYLOR PRIZE.—A prize of ten dollars is awarded to that student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1905-1906.

The Harrington Prize, to FRANK HAROLD SYRETT, 1906.

The Joseph D. Weeks Prize, to CHARLES WOODARD ATWATER, 1906.

The Peirce Prize, to JAMES MARTIN TALBOT, 1906, and RAY RHOOD ALLEN, 1907.

The John Bell Scott Prize, to HAROLD JOEL CONN, 1908, and DONALD MONROE GILBERT, 1908.

Committee of Award: Irville Charles Le Compte, Ph. D., of Yale University.

The Weeks Prize, to FRANK EGGLESTON ROBBINS, 1906.

The Camp Prize, to BENJAMIN PETTENGILL ADAMS, 1907.

The Johnston Prize, to CLARENCE AUGUSTUS MUNSON, 1908.

The Spinney Prize, to RAYMOND SCOFIELD CURTICE, 1908.

The Rice Prize, to HAROLD JOEL CONN, 1908.

The Wise Prize, to HAROLD DEFOREST ARNOLD, 1906.

The Walkley Prize, to RAY RODD ALLEN, 1907.

The Sherman Prize, to ERIC MCCOY NORTH, 1909, and FRANK HATCH STREIGHTOFF, 1909.

The Rich Prize, to JAMES AUGUSTUS WILSON, 1906.

Committee of Award:—Professor Waldo Selden Pratt, Mus. D., of Hartford Theological Seminary; Honorable Silas Arnold Robinson of Middletown; and Thomas Dudley Wells, M. A., of Hartford, Conn.

The Olin Prize, to GEORGE WILEY SHERBURN, 1906.

Committee of Award:—Professor Wilbur Lucius Cross, Ph. D., of Yale University.

The First Junior Exhibition Prize, to RAYMOND LALOR FORMAN, 1907.

Committee of Award:—Clarence Everett Bacon, M. A., of Middletown; Moses Eugene Culver, M. A., of Middletown; and Irville Charles Le Compte, Ph. D., of Yale University.

The Second Junior Exhibition Prize, to HARRY WELLINGTON LAIDLER, 1907.

Committee of Award:—Same as for the First Junior Exhibition Prize.

The Briggs Prize, to HARRY WELLINGTON LAIDLER, 1907.

Committee of Award:—Reverend Samuel Hart, D. D., of Berkeley Divinity School; Reverend Richmond Fisk, D. D., of Middletown; and Laurence Houghton Parker, B. A., of Middletown.

The Calef Prize, to HERBERT CLAYTON CHAMBERLAIN, 1907.

Committee of Award:—Winfred Chandler Akers, B. A., of New Britain, Conn.; Henry Archelaus Tirrell, B. A., of Norwich, Conn.; and Asa Russell Gifford, B. A., of Middletown.

The Parker Prize, to ARTHUR GERALD HUBERT POWER, 1908.

Committee of Award:—Same as for the Calef Prize.

The Hibbard Prize, to CHARLES PRATT CANHAM, 1909.

Committee of Award:—Same as for the Calef Prize.

The Ayres Prize, for the current year, to ROBERT PARSONS BRIDGE, 1910, prepared at the Enfield High School. Thompsonville, Conn.

The Taylor Prize, to FREDERICK FRYE ROCKWELL, 1909 special.

APPOINTMENTS FOR JUNIOR EXHIBITION AND COMMENCEMENT.*

The Junior Exhibition is held on the third Thursday evening of the spring term (April 18, 1907). The speakers are selected from the men of the Junior class according to their grade in composition subsequent to the Freshman year and by means of a special contest in declamation. The selection of speakers for Commencement, from the men of the Senior class, is determined by their grade in the rhetorical exercises of the Junior and the Senior year and by a special contest in declamation. The number of speakers at each of these public exercises is limited to eight.

The speakers last year were:—

JUNIOR EXHIBITION.

Benjamin Pettengill Adams,	Earle Leslie Legg,
Raymond Lalor Forman,	Clarence Paul McClelland,
Herbert Nagle Howard,	Howard Arnold Seckerson,
Harry Wellington Laidler,	Addison Wetherald Williamson.

COMMENCEMENT (RICH PRIZE COMPETITION).

Charles Woodard Atwater,	Guy Wright Rogers,
Theron Alvord Clements,	George Wiley Sherburn,
George Edwin Heath,	Charles Mabbett Travis,
Newton Manley Perrins,	James Augustus Wilson.

*Owing to the special exercises in commemoration of the seventy-fifth anniversary of the founding of Wesleyan University, the competition for the Rich prize was held on Friday evening, June 22, 1906, in Memorial Chapel, instead of Commencement day. (See Rich Prize, page 97.)

HONORS IN SCHOLARSHIP.

I. HONORS IN GENERAL SCHOLARSHIP.—Two grades of honor, designated respectively as honors and high honors, are conferred at graduation, based upon the general scholarship of the student throughout his whole course.

An honor in general scholarship is awarded to a student who has received a grade not below third on an aggregate of not less than 62 hours' work, as reckoned in the record of standings, has received first grade on a number of hours' work not less than the part of the 62 hours' work on which he has received third grade, and has not fallen below fourth grade in any study of the course.

A high honor in general scholarship is awarded to a student who has received a grade not below second on an aggregate of not less than 62 hours' work, has received first grade on an aggregate of not less than 50 hours' work, and has not fallen below third grade in any study of the course.

II. PRELIMINARY HONORS.—Preliminary honors are awarded in the departments of classics and of mathematics at the end of the Sophomore or Junior year, and no student can receive special honors at graduation in Greek, Latin, or mathematics, who has not previously received the corresponding preliminary honors. Notice of candidacy for preliminary honors must be given to the senior officer of the department, and to the Secretary of the Faculty, as early as the first Monday of the third term of the year in which the candidate intends to present himself for the special examination (April 8, 1907). The case of each candidate is decided by the Faculty. The special regulations concerning the award of preliminary honors are as follows:—

Classics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade, in the following courses:—I., II., and either III. or IV. Greek, and I., II., III., and IV. Latin.

2. He must also pass with distinction a special examination, held near the end of the academic year, and designed to test (*a*) his ability to translate Greek and Latin into English at sight, and (*b*) his knowledge of Greek and Latin grammar, and of Greek and Roman antiquities, mythology, and political and literary history.

Mathematics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade in the required

course in mathematics, and in such elective courses, amounting to not less than five hours a week, as may be approved by the head of the department. Courses IV. and V. are recommended.

2. He must pass with distinction a special examination, held near the end of the academic year, which may cover the entire field of his mathematical knowledge.

III. HONORS IN SPECIAL DEPARTMENTS AT GRADUATION.—Two grades of special honor, designated respectively as honors and high honors, are awarded at graduation in each of the following departments:—

Latin; Greek; German; Romance Languages; English; History; Economics and Social Science; Philosophy; Mathematics; Physics; Chemistry; Geology; Biology.

The conditions upon which special honors in these departments are awarded are as follows:—

(1) The candidate must apply to the officer in charge of the department in which he desires to take honors, and to the Secretary of the Faculty, not later than the first Monday of the third term in the Junior year (April 8, 1907).

(2) He must pass at the regular or special examinations in such studies of the college course as are prescribed for honors in the several departments in the schedule given below; and in such studies he must not fall below third grade, and must maintain an average standing of second grade after the beginning of the Sophomore year, or must receive first grade in all of the prescribed studies which he takes after the beginning of the Junior year.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire

field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 15, 1907).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year, and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than twenty hours a week.

2. Courses I., II., and III. in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.–V., and either IX., or X. and XI. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I.–IV. in Latin.

German.—1. Courses I.–V., VIII., IX., and X. in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Course III. in English language.

Romance Languages.—1. Courses I.–VI. in French, and any two other courses in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a.) Four courses in English literature, and four courses in English language.

(b.) Four courses in English language, one course in English literature, two courses in German.

(c.) Four courses in English literature, one course in English language, four courses in French or German or both.

(d.) Four courses in English literature, four courses in French or German, the course in English history.

(e.) Five courses in English language, five courses in French or German.

History.—1. All the courses in history except Course I. A.

2. The required course, and one elective course, in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III. in history.

Philosophy.—1. All the courses in philosophy.

2. The course in ethics.

3. The course in theism (for candidates in general philosophy), or Course IV. in biology (for candidates in psychology).

Mathematics.—1. The required course in mathematics.

2. Elective courses in mathematics and astronomy, amounting in the aggregate to not less than fifteen hours a week.

3. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course V. in mathematics in the Sophomore year.]

Physics.—1. Courses I. and II. in physics.

2. Two years of practical physics (in at least one of which there shall be three exercises a week).

3. Not less than the equivalent of six hours per week for a year, chosen from the following courses:—V., VI., VII., VIII., IX., XII. Physics, and XI. Mathematics.

4. Course I., and either Course III. or Course IV. in chemistry.

5. Course V. in mathematics.

Chemistry.—1. Courses I., II., either III. or IV., VI., VII., and XI. in chemistry.

2. Course I. in physics, and one year of practical physics; or Course VIII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.—VI. in geology.

2. The course in descriptive astronomy.

3. Courses II. and III. in biology.

4. Not less than two of the following courses:—V., VI., and VII. Biology, either III. or IV. Chemistry, VI. Chemistry, and IX. Physics.

Biology.—1. Courses I.—IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).

3. Courses I. and II. in geology.

4. Either Course III. or Course IV. in chemistry or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 24, 1907).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.

AWARD OF HONORS, 1905-1906.

HONORS IN GENERAL SCHOLARSHIP.

HIGH HONORS.

Newton Manley Perrins,
Frank Egleston Robbins,

Charles Mabbett Travis,
Frederick Warren Wright.

HONORS.

Harold De Forest Arnold,
Charles Woodard Atwater,
Theron Alvord Clements,
Jesse Vancleft Cooper,
Clarence Eugene Hancock,
Albert Mann, Jr.,

William Gordon Murphy, Jr.,
Charles Frank Phipps,
Guy Wright Rogers,
George Wiley Sherburn,
James Martin Talbot,
George Wood Vinal.

Alice Gertrude Cooke,
Margaret Elizabeth Donahoe,
Helen Katherine Fletcher,
Faye Mildred Keene,

Anna Madeline Vanderbrouk,
Elizabeth Matilda Veazey,
Ella Pardee Warner,
Florence Winter.

HONORS IN SPECIAL DEPARTMENTS.

HONORS.

Mathematics.

Newton Manley Perrins. *Fourier's Series and Spherical Harmonics.*
Thesis: "Problems involving Fourier's Series and Spherical Harmonics."

Physics.

Harold De Forest Arnold. The Electric Arc. Thesis: "The Theory of the Electric Arc."

James Martin Talbot. Studies in Electromagnetic Induction. Thesis: "The Measurement of Self-inductance."

Biology.

Arthur Kent Dearborn. Studies in Cryptogamic Botany and Bacteriology. Thesis: "An Investigation of Oysters to Determine their Agency in the Spread of Typhoid Fever."

PRELIMINARY HONORS.

Mathematics.

Junior.

Ray Rood Allen.

DEGREES.

The following degrees are conferred by the University, in course:—

BACHELOR OF ARTS.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Classical Course.

BACHELOR OF PHILOSOPHY.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Latin - Scientific Course.

BACHELOR OF SCIENCE.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Scientific Course.

The baccalaureate degree is awarded *summa cum laude* to a student who takes high honors both in general scholarship and in one or more departments; *magna cum laude*, to a student who takes a high honor either in general scholarship or in one or more departments; *cum laude*, to a student who takes an honor either in general scholarship or in one or more departments.

MASTER OF ARTS AND MASTER OF SCIENCE.—The degrees of Master of Arts and Master of Science are conferred in accordance with the following regulations:—

1. The degree of Master of Arts is conferred upon Bachelors of Arts of Wesleyan University, of at least one year's standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued in residence for a period of not less than one year. This course of study is under the full direction of a Committee of the Faculty on Graduate Instruction, composed of three permanent members with the addition of the instructor in charge of each department in which the candidate pursues work. Evidence of the candidate's proficiency in the approved studies is given by an examination, oral or written, by a thesis or an essay, by the exhibition of scientific

specimens, preparations, or processes, or by two or more of these methods combined, as the committee may prescribe. All such tests of proficiency are under the direction of the committee, and they report to the Faculty proper candidates for the degree.

2. In the case of Bachelors of Arts of other colleges whose course of study is accepted as sufficient by the Committee on Graduate Instruction, or who pass such additional examinations as the committee prescribes, the degree of Master of Arts is conferred on the conditions prescribed in the case of Bachelors of Arts of Wesleyan University pursuing a course of study in residence.

3. The degree of Master of Arts is also conferred upon Bachelors of Arts of Wesleyan University, of at least three years' standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued *in absentia*, and equivalent in amount to that prescribed in the case of resident graduate students; and in all other particulars the same regulations hold in the case of non-resident as in the case of resident students. The degree is also conferred upon Bachelors of Arts of Wesleyan University, of two years' standing, at the satisfactory conclusion of a course of study pursued *in absentia*, on the conditions above specified, provided that the candidate has spent the two years in resident study in a non-professional department of some other university.

4. The degree of Master of Science is conferred upon Bachelors of Philosophy and Bachelors of Science, whether of this or of other colleges, under the same conditions which govern in the case of the degree of Master of Arts.

5. Bachelors of Philosophy and Bachelors of Science, whether of this or of other colleges, who pass such examinations in Greek and Latin, and in other literary studies, as the Committee on Graduate Instruction prescribes, are admitted to the degree of Master of Arts on the conditions prescribed in the case of Bachelors of Arts.

6. A fee of five dollars is required of every candidate for the Master's degree before his proposed course of study can be approved by the Committee on Graduate Instruction; and a fee of ten dollars is required when the degree is conferred.

Communications from prospective graduate students regarding the Master's degree should be addressed, in the first instance, to Professor A. C. Armstrong, the secretary of the Committee on Graduate Instruction.

DEGREES CONFERRED, JUNE, 1906.

DEGREES IN COURSE.

The Degree of Bachelor of Arts was conferred on:—

Arthur Ray Anderson,	William Gordon Murphy, Jr.,
William Ebenezer Bell,	Newton Manley Perrins,
Earl Maltby Benson,	William Northcote Phillips,
Samuel Curtis Campaigne,	Henry Boardman Powell, Jr.,
Theron Alvord Clements,	Frank Egleston Robbins,
Jesse Vancleft Cooper,	Guy Wright Rogers,
Lester Francis Deming,	Jesse Ernest Shaw,
Clarence Eugene Hancock,	George Wiley Sherburn,
Warren Lucius Harlow,	Frank Harold Syrett,
George Edwin Heath,	James Martin Talbot,
Benjamin Murley Johns,	Charles Mabbett Travis,
Albert Mann, Jr.,	George Wood Vinal,
Ellis Hoagland Martin,	Frederick Franklin Voorhees,
	Frederick Warren Wright.

Margaret Elizabeth Donahoe, Faye Mildred Keene.

The Degree of Bachelor of Philosophy was conferred on:—

Harold De Forest Arnold,	Robert Gray Goodman,
Charles Woodard Atwater,	George Henry Hamilton,
Wilbur Stone Beeman,	Ira Prouty Ingraham,
George Imlay Bodine, Jr.,	William Armour Johnston, Jr.,
Arthur Kent Dearborn,	Arthur Elliott Paterson,
Ward Percy Gammons,	Dwight Milton Sawyer,
Gordon Gray Gatch,	Lester Reuben Weeks,
	James Augustus Wilson.

Alice Gertrude Cooke,	Edith Weekes Say,
Helen Katherine Fletcher,	Anna Madeline Vanderbrouk,
Jessie Louise Keene,	Elizabeth Matilda Veazey,
Katherine Frances Lucey,	Ella Pardee Warner,
	Florence Winter.

The Degree of Bachelor of Science was conferred on:—

Raymond Wolcott Bristol,	Arthur James Monroe,
Ralph Martin Cole,	Oliver Taylor Noon,
Henry Gonsalves,	Charles Frank Phipps,
William Henry Long,	Joshua Lester Robins,
Laurence Free McDonald,	Ferdinand Richard Streber,
Harold Clifton Martin,	Clifford Le Grande Waite,
	Ernest Burr Wheeler.

Daisy Helena Lohr.

The Degree of Master of Arts on examination was conferred on:—

George Ellsworth Bishop, B. A., 1901. Subjects: English Literature and Sociology. Thesis: "Wisdom and Unwisdom in the Social Teachings of John Ruskin."

Frank Pearl Fletcher, B. A., 1904. Subjects: Biology, Chemistry, Geology. Thesis: "Some Protozoa of the Fresh Waters of Middletown."

The Degree of Master of Science on examination was conferred on:—

Mrs. Daniel C. Webster (Lucia Washburn Hazen), B. A., Mt. Holyoke College, 1902. Subject: Biology. Thesis: "The Fresh Water Algae of Connecticut."

HONORARY DEGREES.

The Degree of Master of Arts was conferred on:—

Alonzo Howard Clark, ex-'81, Smithsonian Institution, Washington, D. C.

Abram Sheekleton Kavanagh, ex-'85, Superintendent of the Methodist Episcopal Hospital, Brooklyn, N. Y.

Robert Fulton Raymond, ex-'81, New Bedford, Mass.

The Degree of Doctor of Divinity was conferred on:—

- Arthur William Byrt, '86, Superintendent and Corresponding Secretary of the Brooklyn Church Society, Brooklyn, N. Y.
Nathaniel Walling Clark, '79, Rome, Italy.
Andrew Jackson Coultas, Jr., '80, Providence, R. I.
John Galbraith, '79, Dorchester, Mass.
Charles Le Roy Goodell, New York, N. Y.
Thompson Hoadley Landon, '52, Principal of Bordentown Military Institute, Bordentown, N. J.
William Douglas Mackenzie, President of Hartford Theological Seminary, Hartford, Conn.
Albert Julius Nast, '68, Editor of *Der Christliche Apologete*, Cincinnati, O.
Henry Clay Sheldon, Professor of Systematic Theology, Boston University, Boston, Mass.
Charles Macaulay Stuart, Professor of Sacred Rhetoric, Garrett Biblical Institute, Evanston, Ill.
Alexander Harrison Tuttle, '66, Summit, N. J.

The Degree of Doctor of Science was conferred on:—

- Edward Bennett Rosa, '86, Physicist in the National Bureau of Standards, Washington, D. C.
Charles Wardell Stiles, ex-'89, Chief of the Division of Medical Zoölogy, United States Public Health and Marine Hospital Service, and Professor of Medical Zoölogy, Georgetown University, Washington, D. C.
Alfred Charles True, '73, Director of Office of Experiment Stations, Department of Agriculture, Washington, D. C.

The Degree of Doctor of Laws was conferred on:—

- Darius Baker, '70, Justice of the Superior Court of Rhode Island, Newport, R. I.
Flavel Sweeten Luther, Jr., President of Trinity College, Hartford, Conn.
Arthur Eugene Sutherland, '85, Justice of the Supreme Court of the State of New York, Rochester, N. Y.
Herbert Welch, '87, President of Ohio Wesleyan University, Delaware, O.

PUBLICATIONS.

ALUMNI RECORD.—Through the liberality of Orange Judd, M. A., a Biographical Record of the Alumni of the University was published in 1869. A third edition of this Record, revised and corrected, was issued in June, 1883. This edition contains not only the record of alumni, revised and corrected to the date of publication, but also a list of all former students not graduates, with their residences, and such other information with reference to them as the most thorough search could obtain. It also includes a bibliographical record, showing all the more important literary and scientific work done by alumni and members of the Faculty. Copies of this edition may be had on application to the librarian, W. J. James. The price of the Record, postage prepaid, is one dollar.

A seventh edition of the Supplement to the Alumni Record was published in December, 1905. It contains an alphabetical list of the living graduates, with their honorary and professional degrees, their occupations, their addresses, and their geographical distribution; also a list of honorary alumni, with their addresses, if living, or date of death, if deceased. This edition also contains as full information as can be obtained concerning the non-graduates.

Information in regard to changes of address of alumni or non-graduates, or in regard to any other facts suitable for future editions of the Record, is earnestly solicited. All who can furnish such information are requested to communicate with Professor F. W. Nicolson, Secretary of the Faculty.

WESLEY BICENTENNIAL.—A memorial volume was issued early in 1904 containing a full record of the celebration of the bicentennial anniversary of the birth of John Wesley by Wesleyan University at the Commencement of 1903. The book was printed by Theo. L. DeVinne & Co., of New York. It contains over 250 pages, and includes a general account of the celebration, the full text of all the addresses delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of

degrees, honorary and in course, and of nearly six hundred alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds, with two excellent portraits of John Wesley, and with portraits of the principal speakers. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.50, postage prepaid.

SEVENTY-FIFTH ANNIVERSARY.—A memorial volume, descriptive of the celebration of the seventy-fifth anniversary of the founding of Wesleyan University, held during the Commencement week of 1906, is in preparation. The volume will contain a full account of all the proceedings, including the text of all the addresses, a list of the alumni attending the celebration, a list of degrees conferred, etc., and will be illustrated with pictures relating to the history of the University. The historical address by Professor William North Rice and the pictures of the college, old and new, will be of peculiar interest to all former students. The volume will be published in a form in keeping with the interesting and valuable record it contains. Subscriptions should be sent to the Librarian of Wesleyan University. The price will be \$1.00, postage prepaid.

BULLETIN.—The *Bulletin* was first issued in 1888, and has since been published twice a year (usually in May and November), under the direction of a committee of the Faculty. It contains accounts of trustee and alumni meetings, lists of recent gifts, statements of the most urgent needs of the University, changes in the Faculty and courses of study, department notes, and various other matters of interest to the alumni and friends of the institution. It is sent to the trustees and alumni, and may be obtained by other friends of the University upon application to the Secretary of the Faculty.

NECROLOGY.—A list of deceased graduates of the University is published annually in the Spring *Bulletin*. All persons who can supply information for future lists are urgently requested to communicate the same to Professor F. W. Nicolson, Secretary of the Faculty.

ALUMNI ASSOCIATIONS.

GENERAL ALUMNI ASSOCIATION.

Rev. Daniel Dorchester, Jr., '74, Pittsburg, Pa., *President*.
 William John James, '83, Middletown, *Corresponding Secretary*.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.

George Hubbard Blakeslee, '93, Worcester, Mass., *President*.
 Samuel Fuller Crowell, '02, 43 Federal St., Boston, Mass., *Secretary*.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.

Frank Prescott Fogg, '91, Dorchester, Mass., *President*.
 Clarence Lucian Newton, '02, 84 State St., Boston, Mass., *Secretary*.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.

Frank Davis Beattys, '85, New York, N. Y., *President*.
 Ralph Norton, '03, Jamaica, N. Y., *Secretary*.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.

Carl Fowler Price, '02, New York, N. Y., *President*.
 James Herbert Baker, '03, 299 Broadway, New York, N. Y., *Secretary*.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.

George Slocum Bennett, '64, Wilkes-Barre, Pa., *President*.
 Ralph Walter Rymer, '00, 506 Harrison Ave., Scranton, Pa., *Secretary*.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.

William Adelbert Jones, '81, Newark, N. J., *President*.
 Howard D. Crane, '03, 73 Sherman Ave., Newark, N. J., *Treasurer*.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.

Rev. James Marcus King, '62, Philadelphia, Pa., *President*.
 Isaac C. Sutton, '00, 1218 Chestnut St., Philadelphia, Pa., *Secretary*.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.

Marcus Patten Hatfield, '70, Chicago, Ill., *President*.Charles H. Brown, '97, John Crerar Library, Chicago, Ill., *Secretary*.

WESLEYAN ALUMNI CLUB OF LOWER CALIFORNIA.

Millard Mayhew Parker, '75, Pasadena, Cal., *President*.Ernest Perley Clarke, '85, Riverside, Cal., *Secretary*.

EMPLOYMENT BUREAU.

An employment bureau is maintained in the office of the Secretary of the Faculty, for the purpose of securing positions as teachers for graduates of the college, and to provide opportunities for undergraduates to earn money towards paying their college expenses, either by work in Middletown during term time, or by work in Middletown or elsewhere during the summer vacation. Those who wish to avail themselves of the opportunity thus offered are invited to register; and the alumni and friends of the college are urgently requested to inform the Secretary of any vacancy coming to their notice which might be filled by a Wesleyan student or graduate. No fees are charged.

CALENDAR.

1906.

Sept. 27, Thursday—First term began.

Nov. 28-Dec. 2, Thanksgiving recess.

Dec. 21, Friday—First term will close.

CHRISTMAS RECESS.

1907.

Jan. 3, Thursday—Second term will begin.

Jan. 31, Thursday—Day of prayer for colleges—a holiday.

Feb. 8-21, Mid-year examinations.

Feb. 22, Friday—Washington's Birthday—a holiday.

March 27, Wednesday—Second term will close.

SPRING RECESS.

April 2, Tuesday—Third term will begin.

April 6, Saturday—Last day for presenting Junior Exhibition essays.

April 8, Monday—Last day for presenting Olin Prize essays.

April 8, Monday—Last day for presenting applications for preliminary and special honors.

April 8, Monday—Last day for presenting applications for special spring examinations.

April 18, Thursday—Junior Exhibition.

May 20, Monday—Last day for presenting Joseph D. Weeks Prize essays.

May 23, Thursday—Prize debate.

May 30, Thursday—Memorial Day—a holiday.

May 31, Friday—Last day for presenting Harrington Prize essays.

June 1, Saturday—Last day for presenting John Bell Scott Prize essays.

June 7, Friday—Annual examinations will begin.

June 15, Saturday—Last day for presenting special honor theses, and for special honor examinations.

1907

- June 15, Saturday—Last day for presenting Master's theses, and for examinations for the Master's degree.
- June 18, Tuesday—Last day for presenting Rich Prize essays.
- June 21, Friday—Prize declamation contest.
- June 23, Sunday morning—Baccalaureate sermon.
- June 23, Sunday evening—University sermon.
- June 24, Monday morning—Announcement of award of prizes and of preliminary honors.
- June 24, Monday afternoon—Class Day.
- June 24, Monday evening—Meeting of the Board of Trustees.
- June 25, Tuesday morning—Business meeting of the Phi Beta Kappa Society.
- June 25, Tuesday morning—Meeting of the Board of Trustees.
- June 25, Tuesday morning—Business meeting of the Alumni Association.
- June 25, Tuesday afternoon—Social receptions by the college fraternities.
- June 26, Wednesday—COMMENCEMENT.
- June 27, Thursday—Examination of candidates for admission will begin.

VACATION OF THIRTEEN WEEKS.

- Sept. 24, Tuesday—Special examinations for students deficient at the annual examinations.
- Sept. 25, Wednesday—Examination of candidates for admission will begin.
- Sept. 26, Thursday—First term will begin.

INDEX.

	PAGE		PAGE
Abbreviations, - - -	- 25, 37	Cryogenic laboratory, - - -	88
Absence from college, - - -	- 81, 83	Daily program, - - -	74-76
from recitations, - - -	80	Debate, - - -	48
Admission, Terms of, - - -	- 28, 34	Degrees, - - -	108
Alumni associations, - - -	115	conferred, - - -	110
Alumni record, - - -	113	Diploma fees, - - -	82, 109
Apparatus, - - -	86	Economics, - - -	53
Astronomy, - - -	- 59, 86	Elective studies, - - -	26, 70, 72
Athletica, - - -	- 81, 88	Electricity, - - -	- 61, 62
Bacteriology, - - -	69	Employment bureau, - - -	116
Bible, English, - - -	58	English language, - - -	49
Biology, - - -	- 67, 88	English literature, - - -	47
Board, Cost of, - - -	83	Ethics, - - -	58
Botanical collections, - - -	- 90, 92	Ethnographical collections, -	91, 92
Botany, - - -	67	Evidences of Christianity, -	58
Buildings, New, - - -	84	Evolution, - - -	69
Bulletin, - - -	114	Examination groups, - - -	70
Calendar, - - -	117	Examinations, - - -	80
Certificate, Admission by, -	35	for admission, - - -	35
Chapel, - - -	81	Expenses, - - -	- 82, 83
Chemistry, - - -	- 63, 87	Faculty, - - -	9
Church attendance, - - -	81	Committees of, - - -	13
Classical club, - - -	78	Fees, Laboratory, - - -	82
Classical course, - - -	- 26, 28, 72	Diploma, - - -	82, 109
Coins, Collection of, - - -	- 91, 92	French, - - -	44
Commencement appointments,	100	Geological collections, - - -	- 90, 92
Committees, Faculty, - - -	13	Geology, - - -	66
Trustee, - - -	7	German, - - -	42
Commons, - - -	83	Grades, - - -	79
Conditions, Entrance, - - -	81	Graduate instruction, {	27, 40, 44, 46,
Courses, General, - - -	- 26, 37	{	49, 55, 57, 65,
Special, - - -	- 26, 34	{	67, 108
required, Schedule of, -	72	Graduate students, - - -	14

	PAGE		PAGE
Greek, - - - - -	40	Preliminary honors, Award of, -	107
Gymnasium, - - - - -	88	Prizes, - - - - -	95
Herbarium, - - - - -	- 90, 92	Award of, - - - - -	98
History, - - - - -	52	Psychology, - - - - -	55, 56, 57, 86
Honors, Award of, - - - - -	106	Publications, - - - - -	113
General, - - - - -	101, 105	Public speaking, - - - - -	51
Preliminary, - - - - -	37, 40, 101, 105	Quota of studies, - - - - -	79
Special, - - - - -	102	Reading-rooms, - - - - -	86
Italian, - - - - -	46	Recitations, Program of, - - - - -	74-76
Junior Exhibition appointments, -	100	Regents' diplomas, - - - - -	35
Laboratories, - - - - -	86	Registration, - - - - -	79
Laboratory fees, - - - - -	82	Regulations, General, - - - - -	79
Latin, - - - - -	37	Religious services, - - - - -	81
Latin-Scientific course, - - - - -	26, 31, 73	Required studies, - - - - -	26, 47, 72
Lectures, Departmental, etc., -	77	Rhetoric, - - - - -	49
Library, - - - - -	85	Romance languages, - - - - -	44
Liquefaction of gases, - - - - -	64	Rooms, - - - - -	- 82, 83
Loan fund, - - - - -	94	Scholarships, - - - - -	93
Logic, - - - - -	55	Science and Religion, Relations of, -	58
Machine shop, - - - - -	88	Scientific course, - - - - -	26, 33, 73
Mathematical models, - - - - -	88	Seventy-fifth anniversary, - - - - -	114
Mathematics, - - - - -	59	Social science, - - - - -	53
Metaphysics, - - - - -	57	Sociology, - - - - -	54
Middletown Scientific Association, -	77	Spanish, - - - - -	46
Mineralogical collections, - - - - -	- 90, 92	Special courses, - - - - -	- 26, 34
Mineralogy, - - - - -	66	Special honors, - - - - -	102
Museum, - - - - -	89	Award of, - - - - -	106
Musical organizations, - - - - -	81	Students, List of, - - - - -	14
Natural history collections, - - - - -	89	Theism, - - - - -	58
Necrology, - - - - -	114	Trustees, - - - - -	3
Observatory, - - - - -	86	Committees of, - - - - -	7
Paleontology, - - - - -	66	Tuition, - - - - -	82
Philosophy, - - - - -	55	Wesley bicentennial, - - - - -	113
Physical geography, - - - - -	66	Women, Admission of, - - - - -	36
Physics, - - - - -	60, 84, 87	Expenses of, - - - - -	82
Physiology, - - - - -	68	Y. M. C. A., - - - - -	81
Political economy, - - - - -	53	Zoological collections, - - - - -	- 90, 92
Preliminary honors, - - - - -	37, 40, 101, 105	Zoology, - - - - -	68

178.73
IV5

377
JAN 28 1908

Vol. I

JANUARY, 1908

No. 4

—THE—

WESLEYAN UNIVERSITY BULLETIN



CATALOGUE NUMBER

1907-1908

MIDDLETOWN, CONN.:

• PELTON & KING, PRINTERS AND BOOKBINDERS.

1908.

G₁

G₂

H₁

H₂

H₃

Ital

Jun

Lab

Lat

Lat

Latin

Leet

Libr

Liqu

Loan

Logi

Macl

Matr

Matl

Metat

Midel

Mine

Mine

Museo

Muss

Natur

Neer

Obser

Paleo

Philos

Physi

Physi

Polit

Prehu

CATALOGUE

OF

WESLEYAN UNIVERSITY

1907-1908

MIDDLETOWN, CONN.
MD. CCCCVIII.

•

—

CATALOGUE

OF

WESLEYAN UNIVERSITY

1907-1908



MIDDLETOWN, CONN.
MD. CCCCVIII.

THE WESLEYAN UNIVERSITY BULLETIN

**Published by the University four times a year in May, June, December, and January
Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown,
Connecticut, under the Act of Congress of July 16, 1894**

BOARD OF TRUSTEES.

HENRY CRUISE MURPHY INGRAHAM, LL. D., PRES.,
16 Court St., Brooklyn, N. Y.

REV. DAVID GEORGE DOWNEY, D. D., SECRETARY,
379 Washington Ave., Brooklyn, N. Y.

CLINTON DEWITT BURDICK, M. A., TREASURER,
175 Remsen St., Brooklyn, N. Y.

PRES. BRADFORD PAUL RAYMOND, D. D., LL. D.,
(Member ex officio), Middletown.

TERM EXPIRES IN JUNE, 1908.

† REV. WILLIAM MONROE NEWTON, B. A.,
Springfield, Vt.

† REV. ALBERT PEARNE PALMER, M. A.,
Lowville, N. Y.

TERM EXPIRES IN JUNE, 1909.

REV. CHARLES HENRY BUCK, D. D.,
409 N. Broadway, Yonkers, N. Y.

HON. PHINEAS CHAPMAN LOUNSBURY, LL. D.,
257 Broadway, New York, N. Y.

GEORGE SILAS COLEMAN, M. A.,
Hall of Records, New York, N. Y.

JOHN EDGAR LEAYCRAFT,
311 West End Ave., New York, N. Y.

CYRUS DANIEL JONES,
Scranton, Pa.

§ WEBSTER ROGERS WALKLEY, M. A.,
27 Murray St., New York, N. Y.

WESLEYAN UNIVERSITY.

§ FREDERIC WILCOX CLARKE, B. S.,
104 South St., Boston, Mass.

† REV. DANIEL CLARK KNOWLES, D. D.,
Tilton, N. H.

† REV. FRANK MASON NORTH, D. D.,
150 Fifth Ave., New York, N. Y.

† REV. ISAAC HARRISON WHITTIER WHARFF, D. D.,
Winterport, Me.

† REV. WILBUR FISK HOLMES, M. A.,
Farmington, Me.

TERM EXPIRES IN JUNE, 1910.

REV. BP. CYRUS DAVID FOSS, D. D., LL. D.,
2043 Arch St., Philadelphia, Pa.

REV. BP. EDWARD GAYER ANDREWS, D. D., LL. D.,
47 Brevoort Place, Brooklyn, N. Y.

REV. JOSEPH ELIJAH KING, PH. D., D. D.,
Fort Edward, N. Y.

REV. WILLIAM VALENTINE KELLEY, D. D.,
150 Fifth Ave., New York, N. Y.

HON. WATSON CARVOSSO SQUIRE, B. A.,
Seattle, Wash.

ALBERT RANDOLPH CRITTENDEN,
Middletown.

JOHN GRIBBELL,
1513 Race St., Philadelphia, Pa.

JAMES GARDNER SHEPHERD,
Scranton, Pa.

§ STEPHEN HENRY OLIN, LL. D.,
32 Nassau St., New York, N. Y.

§ CHARLES SCOTT, M. A.,
Overbrook, Pa.

† REV. ANDREW JACKSON COULTAS, JR., D. D.,
92 Comstock Ave., Providence, R. I.

† REV. WILLIAM JOHN CHAPMAN, M. A.,
Crown Point, N. Y.

TERM EXPIRES IN JUNE, 1911.

HON. DAVID WARD NORTHROP, M. A.,
Middletown.

CEPHAS BRAINERD ROGERS,
Meriden.

HON. JOHN EMORY ANDRUS, B. A.,
299 Broadway, New York, N. Y.

HENRY HOBART BENEDICT,
216 Bishop St., New Haven.

CHARLES GIBSON,
Albany, N. Y.

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
16 Court St., Brooklyn, N. Y.

§ GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

* † REV. JAMES MARCUS KING, D. D., LL. D.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
Penn Yan, N. Y.

TERM EXPIRES IN JUNE, 1912.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

HENRY CRUISE MURPHY INGRAHAM, LL. D.,
16 Court St., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

SAMUEL WOOD BOWNE,
Pearl and Rose Sts., New York, N. Y.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, LL. D.,
Newport, R. I.

* Deceased.

§ REV. DAVID GEORGE DOWNEY, D. D.,
379 Washington Ave., Brooklyn, N. Y.

† WILLIAM PERRY BILLINGS,
98 S. River St., Wilkes-Barre, Pa.

† REV. WARREN LANNING HOAGLAND, D. D.,
291 N. Grove St., E. Orange, N. J.

† REV. CHARLES EDWARD DAVIS, M. A.,
Westfield, Mass.

TERM EXPIRES IN OCTOBER, 1912.

HON. WILLIAM CONNELL,
Scranton, Pa.

GEORGE SLOCUM BENNETT, M. A.,
Wilkes-Barre, Pa.

CHARLES LEE ROCKWELL,
Meriden.

REV. AZEL WASHBURN HAZEN, D. D.,
Middletown.

WILLIAM EDWIN SESSIONS,
Bristol.

JOHN THOMAS PORTER,
Scranton, Pa.

REV. WILLIAM INGRAHAM HAVEN, D. D.,
Bible House, Astor Place, New York, N. Y.

§ HON. MARTIN AUGUSTINE KNAPP, LL. D.,
Washington, D. C.

§ THEODORE E. HANCOCK, LL. D.,
Syracuse, N. Y.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the first day of October following election.

COMMITTEES OF THE BOARD OF TRUSTEES.

— ••• —

GENERAL EXECUTIVE COMMITTEE.

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

HON. JOHN EMORY ANDRUS, B. A.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

REV. DAVID GEORGE DOWNEY, D. D.

STEPHEN HENRY OLIN, LL. D.

REV. FRANK MASON NORTH, D. D.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

— — —

LOCAL EXECUTIVE COMMITTEE.

REV. BRADFORD PAUL RAYMOND, D. D., LL. D.

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

WESLEYAN UNIVERSITY.**FINANCE COMMITTEE.**

HENRY CRUISE MURPHY INGRAHAM, LL. D.
HON. GEORGE GREENWOOD REYNOLDS, LL. D.
CHARLES LEE ROCKWELL.
CLINTON DEWITT BURDICK, M. A.
JOHN EDGAR LEAYCRAFT.

COMMITTEE ON THE BOARD OF INSTRUCTION.

REV. WILLIAM VALENTINE KELLEY, D. D.
REV. BP. CYRUS DAVID FOSS, D. D., LL. D.
STEPHEN HENRY OLIN, LL. D.
REV. JAMES MONROE BUCKLEY, D. D., LL. D.
REV. WARREN LANNING HOAGLAND, D. D.
REV. FRANK MASON NORTH, D. D.

VISITING COMMITTEE.

CHARLES SCOTT, M. A.
GEORGE SLOCUM BENNETT, M. A.
GEORGE DAVIS BEATTYS, M. A.

FACULTY.

† REV. BRADFORD PAUL RAYMOND, D. D., LL. D.,
PRESIDENT,
 AND A. V. STOUT PROFESSOR OF MORAL PHILOSOPHY.
(3 S. C.) 325 High St.

JOHN MONROE VAN VLECK, LL. D.,
 FISK PROFESSOR OF MATHEMATICS AND ASTRONOMY, *Emeritus.*
168 Church St.

REV. WILLIAM NORTH RICE, PH. D., LL. D.,
ACTING PRESIDENT (first half-year),
 AND G. I. SENEY PROFESSOR OF GEOLOGY.
(11 J. H.) 31 College Place.

CALEB THOMAS WINCHESTER, L. H. D.,
 OLIN PROFESSOR OF ENGLISH LITERATURE.
(21 F. H.) 342 High St.

MORRIS BARKER CRAWFORD, M. A.,
 FOSS PROFESSOR OF PHYSICS.
(38 S. L.) 197 High St.

HERBERT WILLIAM CONN, PH. D.,
 DANIEL AYRES PROFESSOR OF BIOLOGY.
(5 J. H.) 167 High St.

ANDREW CAMPBELL ARMSTRONG, PH. D.,
 WILLIAM GRIFFIN PROFESSOR OF PHILOSOPHY.
(26 F. H.) 166 High St.

WILLIAM EDWARD MEAD, PH. D.,
 WAITE PROFESSOR OF THE ENGLISH LANGUAGE.
(27 F. H.) 165 Broad St.

† On leave of absence, first half-year.

WESLEYAN UNIVERSITY.

KARL POMEROY HARRINGTON, M. A.,

ROBERT RICH PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.

(30 F. H.) 203 High St.

WILLIAM JOHN JAMES, M. A.,

LIBRARIAN.

(Library) 162 Church St.

FRANK WALTER NICOLSON, M. A.,

SECRETARY OF THE FACULTY, AND ASSOCIATE PROFESSOR OF LATIN.

(1 S. C.) 311 High St.

WALTER PARKE BRADLEY, PH. D.,

BEACH PROFESSOR OF CHEMISTRY.

(2 J. H.) 256 College St.

OSCAR KUHN, L. H. D.,

HOLLIS PROFESSOR OF ROMANCE LANGUAGES.

(38 F. H.) 170 High St.

THOMAS EMERY MCKINNEY, PH. D.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

101 Broad Street.

WILLARD CLARK FISHER, B. A.,

PROFESSOR OF ECONOMICS AND SOCIAL SCIENCE.

(33 F. H.) 25 College Place.

WILLIAM ARTHUR HEIDEL, PH. D.,

JANE A. SENEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.

(35 F. H.) 41 Lawn Ave.

RAYMOND DODGE, PH. D.,

PROFESSOR OF PSYCHOLOGY.

(22 F. H.) 107 Lawn Ave.

JOHN WESLEY WETZEL, PH. B.,

INSTRUCTOR IN PUBLIC SPEAKING.

16 Dwight St., New Haven.

WESLEYAN UNIVERSITY.

11

WALTER GUYTON CADY, PH. D.,
CHARLOTTE AUGUSTA AYRES PROFESSOR OF PHYSICS.
(14 S. L.) 151 High St.

ROBERT HERNDON FIFE, JR., PH. D.,
MARCUS L. TAFT PROFESSOR OF THE GERMAN LANGUAGE AND LITERATURE.
(34 F. H.) 240 College St.

RALPH CLEWELL SUPER, M. A.,
INSTRUCTOR IN MODERN LANGUAGES.
20 O. H.

ROBERT ALLYN BUDINGTON, M. A.,
INSTRUCTOR IN BIOLOGY.
178 Church St.

GEORGE MATTHEW DUTCHER, PH. D.,
HEDDING PROFESSOR OF HISTORY.
(16 F. H.) 19 O. H.

JOSEPH WILLIAM HEWITT, PH. D.,
ASSOCIATE PROFESSOR OF LATIN AND GREEK.
310 William St.

BURTON HOWARD CAMP, M. A.,
INSTRUCTOR IN MATHEMATICS.
11 Brainerd Ave.

RAEMER REX RENSHAW, PH. D.,
INSTRUCTOR IN CHEMISTRY.
150 College St.

CLARENCE FREDERIC HALE, M. S.,
INSTRUCTOR IN CHEMISTRY.
52 Church St.

ALBERT DAVIS, PH. D.,
INSTRUCTOR IN ENGLISH.
240 College St.

WESLEYAN UNIVERSITY.

ISAIAH BOWMAN, B. S.,
INSTRUCTOR IN PHYSICAL GEOGRAPHY.
203 York St., New Haven.

SAMUEL WARD LOPER, M. A.,
CURATOR OF THE MUSEUM.
(13 J. H.) 287 College St.

HOWARD ROLAND REITER, M. A.,
DIRECTOR OF THE GYMNASIUM.
(Gymnasium) Home Ave.

ALEXANDER CHILSON STEVENS, M. E.,
ASSISTANT IN PHYSICS.
13 O. H.

MARGUERITE MORGAN VAN BENSCHOTEN, B. A.,
ASSISTANT LIBRARIAN.
162 Church St.

MARY ABBIE RICHARDSON,
ASSISTANT IN THE LIBRARY.
57 Brainerd Ave.

JULIA BRAZOS, PH. B.,
DEAN OF WOMEN.
(Webb Hall) 136 High St.

COMMITTEES OF THE FACULTY.

COURSE OF STUDY.

PRESIDENT RAYMOND, PROFESSORS RICE, CRAWFORD, MEAD,
HEIDEL, DODGE, FIFE.

GRADUATE STUDY.

PROFESSORS CRAWFORD, ARMSTRONG, HEIDEL.

ADMINISTRATION.

PRESIDENT RAYMOND, PROFESSOR RICE, MR. JAMES,
PROFESSORS NICOLSON, BRADLEY.

CONFERENCE WITH STUDENTS.

PRESIDENT RAYMOND, PROFESSORS CONN, KUHN,
DODGE, FIFE, HEWITT.

CATALOGUE.

MR. JAMES (Editor); PROFESSORS HARRINGTON, NICOLSON, CADY.

BULLETIN.

PROFESSORS WINCHESTER, MEAD, DUTCHER, HEWITT.

ATHLETIC AND MUSICAL ORGANIZATIONS.

PROFESSORS NICOLSON, DODGE, FIFE.

PUBLIC LITERARY EXERCISES.

PROFESSORS WINCHESTER, MEAD, KUHN, FISHER, DUTCHER.

SPECIAL HONORS.

PROFESSORS HARRINGTON, BRADLEY, FISHER, CADY.

LOANS, EVANS AND LOVELAND SCHOLARSHIPS.

PRESIDENT RAYMOND, MR. JAMES, PROFESSOR NICOLSON.

STUDENTS.

GRADUATE STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Arthur Shinkle Baker, B. A. (Lafayette College, Yale University), HISTORY, PHILOSOPHY.	<i>Middletown.</i>	<i>22 Church St.</i>
Joseph Clair Beebe, Ph. B., ROMANCE LANGUAGES, ENGLISH LITERATURE.	<i>Meriden.</i>	<i>A. Δ. Φ. House.</i>
Joseph Beech, Ph. B., GEOLOGY, ETHICS AND RELIGION.	<i>Chentu, China.</i>	<i>83 Church Street.</i>
George Prentice Carroll, B. A. (Yale University), LL. B. (Boston University), PHYSICS.	<i>Bridgeport.</i>	<i>109 Lawn Ave.</i>
Edwin Anderson Field, B. A., PHILOSOPHY, ENGLISH LANGUAGE.	<i>Stamford.</i>	<i>28 Brainerd Ave.</i>
Winfield Scott Manship, Ph. D. (Yale University), ROMANCE LANGUAGES, GERMAN.	<i>Middlefield.</i>	<i>Middlefield.</i>
George Lewis Mylchreest, B. S., MATHEMATICS, GEOLOGY, PHYSICS, CHEMISTRY.	<i>Middletown.</i>	<i>44 Brainerd Ave.</i>
Arthur Elliott Paterson, Ph. B., MATHEMATICS, CHEMISTRY, BIOLOGY.	<i>Middletown.</i>	<i>158 Broad St.</i>
Alexander Chilson Stevens, M. E. (Cornell University), PHILOSOPHY, MATHEMATICS, GEOLOGY.	<i>Middletown.</i>	<i>13 O. H.</i>

NAMES.	RESIDENCES.	ROOMS.
Ruth Burr Bonfoey, Ph. B., CHEMISTRY.	<i>Middletown.</i>	<i>181 Court St.</i>
Alice Cary, B. A. (Smith College), BIOLOGY.	<i>Middletown.</i>	<i>178 Church St.</i>
Frances Petty Manship, B. A., BIOLOGY, CHEMISTRY.	<i>Middlefield.</i>	<i>Middlefield.</i>
Frances Eliza Vinton, B. A. (Boston University), CHEMISTRY.	<i>Middletown.</i>	<i>178 Church St.</i>

SENIOR CLASS.

----- NAMES. -----	RESIDENCES.	ROOMS. -----
§ Lewis Allen, Jr.,	<i>Meriden.</i>	X. Ψ. Lodge.
§ Kenneth Noël Atkins,	<i>New London.</i>	X. Ψ. Lodge.
† Wesley Converse Atkins,	<i>Cabot, Vt.</i>	<i>Ivy Hall.</i>
† Ernest Hall Buell,	<i>Terryville.</i>	<i>Ivy Hall.</i>
Edgar Adamson Butters,	<i>Newton, Mass.</i>	Δ. K. E. House.
† Clarence Emory Carter,	<i>Chagrin Falls, O.</i>	Δ. T. Δ. House.
Orliff van Heik Chase,	<i>Catskill, N. Y.</i>	Δ. T. Δ. House.
Charles Fremont Cleaveland, Jr.,	<i>Windsor Locks.</i>	Δ. K. E. House.
§ Harold Joel Conn,	<i>Middletown.</i>	B. Θ. Π. House.
† George Bliss Crafts,	<i>Mattapan, Mass.</i>	B. Θ. Π. House.
† Frederick North Crawford,	<i>Middletown.</i>	<i>Eclectic House.</i>
Raymond Scofield Curtice,	<i>South Norwalk.</i>	A. Δ. Φ. House.
† Lawrence Alexander Davis,	<i>Mount Vernon, N. Y.</i>	Ψ. Υ. House.
§ John Crane Day,	<i>Morristown, N. J.</i>	A. Δ. Φ. House.
§ Walter Everett Doe,	<i>Exeter, N. H.</i>	<i>Eclectic House.</i>
Howard Raymond Doty,	<i>Parsons, Pa.</i>	B. Θ. Π. House.
§ Gordon Clark Douglass, †	<i>Brookline, Mass.</i>	<i>Eclectic House.</i>
§ Harry Aytoun Dresser,	<i>Spencer, N. Y.</i>	Ψ. Υ. House.
Russell Goodier Dunmore,	<i>Utica, N. Y.</i>	A. Δ. Φ. House.
Charles Franklin Edsall,	<i>Newark, N. J.</i>	<i>Eclectic House.</i>
† Robert Ephraim Finlay,	<i>Anherst Head, N. S.</i>	<i>Eclectic House.</i>
§ Donald Monroe Gilbert,	<i>Cincinnati, O.</i>	Δ. K. E. House.
† Willard Harvey Gildersleeve,	<i>Gildersleeve.</i>	<i>Gymnasium.</i>
Frederick Herbert Gilman,	<i>Winterport, Me.</i>	<i>Wallingford.</i>
† Harold Clark Grant,	<i>Meriden.</i>	Ψ. Υ. House.
Charles Edward Graves,	<i>Hatfield, Mass.</i>	K. P. Σ. House.
Edward Bivens Gray,	<i>Port Murray, N. J.</i>	A. Δ. Φ. House.
§ Paul Miller Held,	<i>Akron, O.</i>	Ψ. Υ. House.
† Walter Raymond Hick,	<i>Portland.</i>	K. P. Σ. House.
† George Sylvester Hull,	<i>Clinton.</i>	Ψ. Υ. House.
§ Ernest Alexander Inglis,	<i>Middletown.</i>	236 William St.
Walter Ricketson Mitchell,	<i>New Bedford, Mass.</i>	K. P. Σ. House.

NAMES.	RESIDENCES.	ROOMS.
§ Samuel Booth Moore, Jr.,	<i>Brooklyn, N. Y.</i>	¥. Y. House.
Raymond Silas Munson,	<i>Windham, N. Y.</i>	¥. Y. House.
† Arthur Buckbee Nicholls,	<i>Bridgeport.</i>	B. Ø. II. House.
§ Lansing David Odell,	<i>Norwalk.</i>	¥. Y. House.
Herbert Parsons Patterson,	<i>Portland.</i>	<i>Ivy Hall.</i>
§ William Robinson Pillsbury,	<i>Waban, Mass.</i>	<i>Eclectic House.</i>
Arthur Gerald Hubert Power,	<i>St. Louis, Mo.</i>	<i>Chafee Hotel.</i>
† Roscoe Hiram Remick,	<i>Biddeford, Me.</i>	¥. Y. House.
† Robert Waterman Rice,	<i>Boston, Mass.</i>	Δ. K. E. House.
§ Frank Warren Roberts,	<i>Bernardston, Mass.</i>	Δ. T. Δ. House.
§ Harold Gale Rogers,	<i>Meriden.</i>	¥. Y. House.
§ Leonard Osborne Ryan,	<i>Middletown.</i>	<i>241 Court St.</i>
† Leonard James Selden,	<i>Haddam Neck.</i>	Δ. T. Δ. House.
† Frederick Elisha Shapleigh,	<i>East Rochester, N. H.</i>	<i>Ivy Hall.</i>
Lewis Knapp Smith,	<i>Fort Salonga, N. Y.</i>	Δ. T. Δ. House.
Frederic Stewart,	<i>Roxbury, Mass.</i>	<i>Eclectic House.</i>
† Frank Bradford Taylor,	<i>Cambridge, Mass.</i>	<i>Eclectic House.</i>
† Thomas Jarvis Taylor,	<i>New Haven.</i>	39 N. C.
§ Gilbert Haven Thirkield,	<i>Washington, D. C.</i>	<i>Eclectic House.</i>
James Simpson Thomas,	<i>Baltimore, Md.</i>	27 N. C.
§ Rufus Harold Tilton,	<i>Winthrop, Mass.</i>	B. Ø. II. House.
George Benjamin Tompkins,	<i>Spencer, N. Y.</i>	<i>Gymnasium.</i>
John Barwis Van Horn,	<i>Philadelphia, Pa.</i>	Δ. K. E. House.
Randolph Dykeman West,	<i>Asbury Park, N. J.</i>	A. Δ. Φ. House.
† William Crawford White,	<i>Hoboken, N. J.</i>	<i>Eclectic House.</i>
† Harold Burton Woodward,	<i>Terryville.</i>	K. P. Σ. House.
George William Wriston,	<i>Boston, Mass.</i>	Δ. T. Δ. House.
Unade Barnes,	<i>Middletown.</i>	<i>18 Burr Ave.</i>
Elizabeth Norton Sweet,	<i>Middletown.</i>	<i>Webb Hall.</i>

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
Ernest Francis Amy,	<i>East Bangor, Pa.</i>	<i>Ivy Hall.</i>
Merwyn Light Aultman,	<i>Cincinnati, O.</i>	<i>Eclectic House.</i>
§ Raimond Duy Baird,	<i>New York, N. Y.</i>	<i>B. Θ. Π. House.</i>
Percival Haven Baker,	<i>Rockland, Me.</i>	<i>Δ. T. Δ. House.</i>
§ William Rinehart Barbour,	<i>Bristol, Ind.</i>	<i>Υ. Υ. House.</i>
Stanley Gilman Barker,	<i>Worcester, Mass.</i>	<i>Δ. K. E. House.</i>
† Frisbie Jay Bates,	<i>Stamford.</i>	<i>K. P. Σ. House.</i>
§ Gilbert Haven Bishop,	<i>Glyndon, Md.</i>	<i>A. Δ. Φ. House.</i>
§ Raymond Hills Brewer,	<i>East Hartford.</i>	<i>B. Θ. Π. House.</i>
Charles Pratt Canham,	<i>Saco, Me.</i>	<i>Eclectic House.</i>
§ Frank Everett Carruth,	<i>Cohoes, N. Y.</i>	<i>Ivy Hall.</i>
Roy Bullard Chamberlin,	<i>Kingston, Pa.</i>	<i>288 College St.</i>
§ Herbert Lee Connelly,	<i>Upper Montclair, N. J.</i>	<i>Eclectic House.</i>
§ James Franklin Cowan,	<i>Boston, Mass.</i>	<i>A. Δ. Φ. House.</i>
John Henry Coxe,	<i>Wilkes-Barre, Pa.</i>	<i>Υ. Υ. House.</i>
† Clarence Mulford Day,	<i>Morristown, N. J.</i>	<i>A. Δ. Φ. House.</i>
† Rollin Colegrove Dean,	<i>Summit, N. J.</i>	<i>Υ. Υ. House.</i>
† Edmund Doremus,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
John Gottfried Frey,	<i>Luzerne, Pa.</i>	<i>K. P. Σ. House.</i>
Philip Lombard Given,	<i>Newark, N. J.</i>	<i>Eclectic House.</i>
Frederic Squires Gorham,	<i>Highwood.</i>	<i>X. Υ. Lodge.</i>
Harry Alexander Grant,	<i>West Roxbury, Mass.</i>	<i>Ivy Hall.</i>
Arthur Rollins Graves,	<i>East Walpole, Mass.</i>	<i>Gymnasium.</i>
† Horace Stanton Griffing,	<i>Guilford.</i>	<i>Δ. K. E. House.</i>
William Morgan Grigson,	<i>S. Framingham, Mass.</i>	<i>Δ. T. Δ. House.</i>
† Harold Seymour Guy,	<i>South Farms.</i>	<i>X. Υ. Lodge.</i>
† Raymond Israel Hall,	<i>Mill Hall, Pa.</i>	<i>6 O. H.</i>
† Maurice Adelbert Hammond,	<i>Saratoga Spa, N. Y.</i>	<i>Gymnasium.</i>
§ John Tiebout Hancock,	<i>Brooklyn, N. Y.</i>	<i>Υ. Υ. House.</i>
† Albert Folsom Harlow,	<i>Bridgeport.</i>	<i>B. Θ. Π. House.</i>
† Dudley Harmon,	<i>Meriden.</i>	<i>Meriden.</i>
† John Tooke Harp,	<i>Oneonta, N. Y.</i>	<i>Ivy Hall.</i>
John Walter Hart,	<i>Bristol.</i>	<i>K. P. Σ. House.</i>
Oscar Fred Hedenburg,	<i>Worcester, Mass.</i>	<i>B. Θ. Π. House.</i>
† Frank Lewis Hewitt,	<i>Winsted.</i>	<i>107 Broad St.</i>

NAMES.	RESIDENCES.	ROOMS.
† Sidney Edwin Kent,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
Frank Howard Kidder,	<i>Winsted.</i>	<i>44 Mt. Vernon St.</i>
Harold Clarence Kilborn,	<i>Union, N. Y.</i>	<i>B. Θ. Π. House.</i>
† Royal E. LaGrange,	<i>Lyon Mountain, N. Y.</i>	<i>Δ. K. E. House.</i>
† William Ernest Leighton,	<i>Portland, Me.</i>	<i>Δ. T. Δ. House.</i>
Waldo Bross MacLean,	<i>New York, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† John Joseph Marrinan,	<i>Woburn, Mass.</i>	<i>Δ. K. E. House.</i>
Frederic Louis Maxim,	<i>New York, N. Y.</i>	<i>A. Δ. Φ. House.</i>
§ Arthur Henry Middlemass,	<i>New Britain.</i>	<i>Ivy Hall.</i>
† Carleton Friend Miller,	<i>Wallingford,</i>	<i>K. P. Σ. House.</i>
§ David de Witt Miller,	<i>Greenwich.</i>	<i>Δ. T. Δ. House.</i>
Eric McCoy North,	<i>New York, N. Y.</i>	<i>Eclectic House.</i>
John Gregg Paine,	<i>Columbia, Pa.</i>	<i>X. Ψ. Lodge.</i>
Robert Nelson Patterson,	<i>Portland.</i>	<i>Ivy Hall.</i>
§ Charles Sylvester Preble,	<i>South Brewer, Me.</i>	<i>Ivy Hall.</i>
† Chester Allen Rich,	<i>Provincetown, Mass.</i>	<i>K. P. Σ. House.</i>
George Wilson Roberts,	<i>Wethersfield.</i>	<i>Wethersfield.</i>
Frank Alton Shailer,	<i>New Britain.</i>	<i>Δ. T. Δ. House.</i>
† Melvin Asa Shaw,	<i>East Longmeadow, Mass.</i>	<i>Ivy Hall.</i>
Clarence McKinlay Sherwood,	<i>Albany, N. Y.</i>	<i>Ivy Hall.</i>
Henry Robertson Skeel,	<i>New York, N. Y.</i>	<i>X. Ψ. Lodge.</i>
§ George Batchelder Soule,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
† Charles West Sprague,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
§ Frank Hatch Streightoff,	<i>Montclair, N. J.</i>	<i>Ivy Hall.</i>
† Willis Mitchell Tate,	<i>Waterbury.</i>	<i>Δ. K. E. House.</i>
William Elmer Traxler,	<i>Rohrsburg, Pa.</i>	<i>Ivy Hall.</i>
† Montgomery Rea Trimmer,	<i>Hackettstown, N. J.</i>	<i>X. Ψ. Lodge.</i>
Horace Glenn White,	<i>Brooklyn, N. Y.</i>	<i>K. P. Σ. House.</i>
§ Clinton Fiske Wilding,	<i>Paterson, N. J.</i>	<i>Ψ. T. House.</i>
§ William Rulon Williamson,	<i>Waterport, N. Y.</i>	<i>7 s. c.</i>
§ Stanley Davis Wilson,	<i>Searsmont, Me.</i>	<i>Ivy Hall.</i>
† Wilhelm Albert Wintter,	<i>Stuttgart, Germany.</i>	<i>Ψ. T. House.</i>
Harvey Alden Wooster,	<i>New Britain.</i>	<i>Ivy Hall.</i>
† Ethel Clara Burr,	<i>Higganum.</i>	<i>Webb Hall.</i>
† Anna Belle Knowles,	<i>Springfield, Mass.</i>	<i>Webb Hall.</i>
§ Rosa Mary Palladino,	<i>Montclair, N. J.</i>	<i>Webb Hall.</i>
Carrie Belle Spafard,	<i>Glastonbury.</i>	<i>31 Broad St.</i>

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
William Ketcham Anderson,	<i>Ossining, N. Y.</i>	62 N. C.
§ Roger Whiting Bacon,	<i>Middletown.</i>	67 N. C.
† Robert Edwin Beaton,	<i>Woburn, Mass.</i>	Δ. K. E. House.
† Milton Lanyon Bennett,	<i>South Meriden.</i>	<i>Ivy Hall.</i>
† Sanford Tiffany Bennett,	<i>Brooklyn, N. Y.</i>	Ψ. T. House.
Walter Parks Bliss,	<i>Montclair, N. J.</i>	X. Ψ. Lodge.
† Cecil Raymond Bogart,	<i>Chester.</i>	<i>Ivy Hall.</i>
Harold Morton Bower,	<i>Milwaukee, Wis.</i>	250 High St.
Darrell Sully Boyd,	<i>Rochester, N. Y.</i>	62 N. C.
George Swift Brengle,	<i>Amenia Union, N. Y.</i>	13 N. C.
Robert Parsons Bridge,	<i>Hazardville.</i>	B. Θ. II. House.
† Harlow Butterfield Bristol,	<i>Washington, D. C.</i>	A. Δ. Φ. House.
John Porter Burnham,	<i>North Windham.</i>	89 N. C.
§ Roy Livingston Burns,	<i>Port Chester, N. Y.</i>	B. Θ. II. House.
§ Cornelius Hartley Cables,	<i>Waterbury.</i>	K. P. Σ. House.
Carl Scott Coit,	<i>Carthage, N. Y.</i>	A. Δ. Φ. House.
† Louis George Connor,	<i>Washington, D. C.</i>	A. Δ. Φ. House.
§ Raymond Vincent Cramer,	<i>Portland.</i>	<i>Portland.</i>
§ Paul Gill Dennis,	<i>Newark, N. J.</i>	Δ. K. E. House.
† Earl DeWitt Deremer,	<i>Hackettstown, N. J.</i>	B. Θ. II. House.
§ William Earl Dunmore,	<i>Utica, N. Y.</i>	A. Δ. Φ. House.
§ Robert Everitt,	<i>Paterson, N. J.</i>	B. Θ. II. House.
§ Thomas Charles Flood,	<i>Portland.</i>	<i>Portland.</i>
§ Willis Alexander Gibbons,	<i>Long Island City, N. Y.</i>	A. Δ. Φ. House.
§ Raymond Livingston Gillispie,	<i>Brooklyn, N. Y.</i>	Ψ. T. House.
† Albert Scott Hamilton,	<i>Milton, Mass.</i>	B. Θ. II. House.
§ Warren Willmot Hamilton,	<i>Philadelphia, Pa.</i>	Δ. K. E. House.
Edward Raymond Hance,	<i>Wharton, N. J.</i>	A. Δ. Φ. House.
§ Edwin Thomas Harman,	<i>New Rochelle, N. Y.</i>	Ψ. T. House.
† Julian Stevens Hayward,	<i>Middletown.</i>	288 College St.
§ Howard Levering Hill,	<i>Morristown, Tenn.</i>	44 N. C.
§ Winfred Byron Holton, Jr.,	<i>Indianapolis, Ind.</i>	Ψ. T. House.
§ William Ludlow James,	<i>Montclair, N. J.</i>	Δ. T. Δ. House.
Jason Shepherd Joy,	<i>Oswego, N. Y.</i>	67 N. C.
† Rodney Rathbone McCathran,	<i>Washington, D. C.</i>	A. Δ. Φ. House.

NAMES.	RESIDENCES.	ROOMS.
Howard Butler Merritt,	<i>Cameron, W. Va.</i>	67 N. C.
Henry Vincent Edwards Mitchell,	<i>West Pittston, Pa.</i>	X. ♀. Lodge.
Alfred Douglass Moore,	<i>Wellsburg, W. Va.</i>	44 N. C.
† Arthur Clyde Moore,	<i>Columbus, Ind.</i>	Δ. K. E. House.
Ernest Frederick Neumann, Jr.,	<i>New Britain.</i>	Δ. T. Δ. House.
† William Henry Odell, Jr.,	<i>Norwalk,</i>	Δ. K. E. House.
† Charles Haverly Oswald,	<i>Rensselaerville, N. Y.</i>	K. P. Σ. House.
§ David Patten,	<i>Brookline, Mass.</i>	B. Θ. Π. House.
§ Harrison Edgar Persons,	<i>Maynard, Mass.</i>	89 N. C.
§ Harry Hathaway Pethick,	<i>Tyler Hill, Pa.</i>	X. ♀. Lodge.
† Peter August Pfeiffer,	<i>Hoboken, N. J.</i>	44 N. C.
† Samuel Powell,	<i>Clearfield, Pa.</i>	A. Δ. Φ. House.
§ Paul North Rice,	<i>Newton, Mass.</i>	13 N. C.
§ Arnold Franklin Rich,	<i>Barre, Mass.</i>	X. ♀. Lodge.
Jesse David Roberts,	<i>Glens Falls, N. Y.</i>	5 Foss House.
§ Francis Finley Robinson,	<i>Ocean Grove, N. J.</i>	7 S. C.
§ Richard Homer Schmidt,	<i>Bridgeport.</i>	Ivy Hall.
Carl Bierwirth Searing,	<i>Dover, N. J.</i>	Mt. Vernon St.
William Ira Searles,	<i>Fairport, N. Y.</i>	Δ. T. Δ. House.
§ Harold Cleaves Shaw,	<i>Strong, Me.</i>	2 O. H.
Frank Seymour Smith,	<i>Washington, D. C.</i>	A. Δ. Φ. House.
Irving LeRoy Smith,	<i>East Norwalk.</i>	Ivy Hall.
George Machin Stockdale,	<i>Meriden.</i>	A. Δ. Φ. House.
Clyde Bronson Stuntz,	<i>Madison, N. J.</i>	Δ. T. Δ. House.
† Griffin B. Townsend,	<i>Penn Yan, N. Y.</i>	Δ. T. Δ. House.
§ Arthur T. Vanderbilt,	<i>Newark, N. J.</i>	Δ. K. E. House.
§ Irvin Van Tassell,	<i>Newburgh, N. Y.</i>	Eclectic House.
§ Russell Torboss Wood,	<i>Newark, N. J.</i>	46 N. C.
† Alfred Redfield Wright,	<i>Centerbrook.</i>	A. Δ. Φ. House.
† Clara Catherine Angus,	<i>Hartford.</i>	Webb Hall.
Margaret Crawford,	<i>Middletown.</i>	197 High St.
§ Marion Wilson Greene,	<i>Bridgeport.</i>	Webb Hall.
§ Agnes Nora Hogan,	<i>Hartford.</i>	Webb Hall.
§ Annie Bacon Lewis,	<i>Middletown.</i>	23 Loveland St.
§ Esther Elizabeth Parker,	<i>Naugatuck.</i>	Webb Hall.
Ruth Weeks Sykes,	<i>Whitinsville, Mass.</i>	Webb Hall.
Agnes Treadway Thompson,	<i>Middletown.</i>	13 Cross St.
Johanna Maria Elizabeth Zeilitz,	<i>Middletown.</i>	304 William St.

FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
Harold Graham Anderson,	<i>Mount Vernon, N. Y.</i>	33 N. C.
§ William David Anderson,	<i>Jersey City, N. J.</i>	Δ. T. Δ. House.
§ Francis David Andrews,	<i>Ellenville, N. Y.</i>	Δ. T. Δ. House.
§ Wesley Marcy Arbuckle,	<i>New Haven.</i>	X. Ψ. Lodge.
† Ernest Alfred Augur,	<i>Middlefield.</i>	K. P. Σ. House.
Julian Wadsworth Baldwin,	<i>East Orange, N. J.</i>	71 N. C.
§ Walter Julius Berbecker,	<i>New York, N. Y.</i>	88 N. C.
John Wesley Edward Bowen, Jr.,	<i>Atlanta, Ga.</i>	39 N. C.
§ Robert Archer Bowlby,	<i>Somerville, Mass.</i>	B. Θ. Π. House.
Frank Chaplain Brodhead,	<i>Philadelphia, Pa.</i>	54 N. C.
Samuel Lawrence Bullock,	<i>Mt. Holly, N. J.</i>	76 N. C.
† John Haag Buoy,	<i>Milton, Pa.</i>	88 N. C.
† Charles Theodore Burke,	<i>South Orange, N. J.</i>	32 N. C.
† Ward Hastings Closson,	<i>Middletown. 176 Washington St.</i>	
Harvey Franklin Connor,	<i>Troy, N. Y.</i>	36 N. C.
† Elwood North Cornell,	<i>Brooklyn, N. Y.</i>	38 N. C.
† Charles Edward Dailey,	<i>Hampton, N. Y.</i>	B. Θ. Π. House.
† Frank Twitchell Davis,	<i>Middletown. 133 South Main St.</i>	
Wesley Morton Davis,	<i>Kingston, Pa.</i>	77 N. C.
Benjamin Minter Denniston,	<i>Ellenville, N. Y.</i>	14 Foss House.
Thomas John Dodd,	<i>Shelton.</i>	14 Foss House.
† Dwight Lyman Douglass,	<i>South Framingham, Mass.</i>	7 Foss House.
† Orris Stanley Eldredge,	<i>Brooklyn, N. Y.</i>	101 N. C.
Harry Willet Faraday,	<i>Arlington, N. J.</i>	48 N. C.
† Alfred Russell Flower,	<i>Passaic, N. J.</i>	48 N. C.
† William Flemer Foulke,	<i>Flushing, N. Y.</i>	X. Ψ. Lodge.
Abraham Lincoln Fretz,	<i>Perkasie, Pa.</i>	Δ. Δ. Φ. House.
Harold Putnam Frost,	<i>St. Johnsbury, Vt.</i>	29 N. C.
§ Franklin Seymour Garman,	<i>Camden, N. J.</i>	61 N. C.
Harrison Claude Hardy,	<i>Hop Bottom, Pa.</i>	94 N. C.
§ Clark Williams Hildreth,	<i>Newtonville, Mass.</i>	Δ. T. Δ. House.
† Kenneth Evans Hildreth,	<i>Flushing, N. Y.</i>	33 N. C.
§ Vincent Weaver Jones,	<i>Brooklyn, N. Y.</i>	32 N. C.

NAMES.	RESIDENCES.	ROOMS.
William Crawford Judd,	<i>New Britain.</i>	<i>13 Cross St.</i>
† Joseph Jonathan Kelsey,	<i>Clinton.</i>	<i>Δ. T. Δ. House.</i>
† Charles Lull La Monte,	<i>Sayre, Pa.</i>	<i>B. Θ. Π. House.</i>
† Albert Sherron Leach,	<i>Vineland, N. J.</i>	<i>77 N. C.</i>
§ Willard Potter Lewis,	<i>New York, N. Y.</i>	<i>64 N. C.</i>
§ Bertram Malcolm McBride,	<i>Brownsville, Vt.</i>	<i>B. Θ. Π. House.</i>
Kenneth Matthew McElman,	<i>Billerica, Mass.</i>	<i>3 N. C.</i>
† Fred Elmer Mansfield,	<i>Warren, Me.</i>	<i>5 Foss House.</i>
† Frank Raymond Marsh,	<i>Scranton, Pa.</i>	<i>42 N. C.</i>
Leon Amby Maynard,	<i>Hartford, N. Y.</i>	<i>36 N. C.</i>
William Randolph Montgomery,	<i>Stamford.</i>	<i>54 N. C.</i>
§ Joe Morningstar, Jr.,	<i>New York, N. Y.</i>	<i>71 N. C.</i>
Fales Newhall,	<i>Somerville, Mass.</i>	<i>41 N. C.</i>
§ Robert Clinton Norton,	<i>Brooklyn, N. Y.</i>	<i>48 N. C.</i>
§ Andrew Graham Osborne,	<i>Montclair, N. J.</i>	<i>X. Ψ. Lodge.</i>
Costantino Mario Panunzio,	<i>Molfetta, Italy.</i>	<i>13 Cross St.</i>
§ William Edwin Parker,	<i>Danvers, Mass.</i>	<i>53 N. C.</i>
† Elwyn Clark Parlin,	<i>South Framingham, Mass.</i>	<i>7 Foss House.</i>
† Perry Dennis Glenford Pennington,	<i>Baltimore, Md.</i>	<i>27 N. C.</i>
† Harold Van Houten Proskey,	<i>Paterson, N. J.</i>	<i>53 N. C.</i>
† Harry LeRoy Reynolds,	<i>Stamford.</i>	<i>X. Ψ. Lodge.</i>
§ Howard William Reynolds,	<i>Amenia, N. Y.</i>	<i>61 N. C.</i>
† John Levi Rice,	<i>New Haven.</i>	<i>X Ψ. Lodge.</i>
Wesley Everett Rich,	<i>Newton, Mass.</i>	<i>58 N. C.</i>
† Walter Edmond Robson,	<i>Hoosick Falls, N. Y.</i>	<i>71 N. C.</i>
† John Ross,	<i>Middletown.</i>	<i>29 Pearl St.</i>
Charles Morton Sherburne,	<i>Montpelier, Vt.</i>	<i>121 Broad St.</i>
† William George Shute,	<i>Meriden.</i>	<i>79 N. C.</i>
§ George Slate Simmons,	<i>Brooklyn, N. Y.</i>	<i>Δ. K. E. House.</i>
James Raymond Simmons,	<i>Hobart, N. Y.</i>	<i>58 N. C.</i>
§ Henry Clay Dewey Smith,	<i>Middlebury, Vt.</i>	<i>14 O. H.</i>
§ Frank Lewis Soule,	<i>Montclair, N. J.</i>	<i>96 N. C.</i>
† Milton Stillson,	<i>New Preston.</i>	<i>96 N. C.</i>
Winfred Newton Stilwell,	<i>Wayne, Pa.</i>	<i>38 N. C.</i>
§ Harold Ackermann Storms,	<i>Dobbs Ferry, N. Y.</i>	<i>29 N. C.</i>
Andrew Reed Sutherland,	<i>Rochester, N. Y.</i>	<i>15 N. C.</i>
Ralph Schofield Thompson,	<i>New York, N. Y.</i>	<i>91 N. C.</i>
Ralph Bresee Thorpe,	<i>Clyde, N. Y.</i>	<i>94 N. C.</i>

NAMES.	RESIDENCES.	ROOMS.
† Henry Carlos Wilcox,	<i>Winsted.</i>	305 William St.
† Le Roy Wood,	<i>Nutley, N. J.</i>	79 N. C.
§ Alling Woodruff,	<i>New Haven.</i>	101 N. C.
† Arthur Moulton Wright,	<i>Oatfield, N. Y.</i>	15 N. C.
Henry Merritt Wriston,	<i>Boston, Mass.</i>	Δ. T. Δ. House.
§ Helen Delia Bates,	<i>Middletown.</i>	22 Lawn Ave.
§ Katharine Strong Bielby,	<i>Middletown.</i>	239 College St.
Mildred Webster Flower,	<i>Danbury.</i>	Webb Hall.
§ Sarah May Hyde,	<i>Windsor.</i>	Webb Hall.
§ Leonore Millicent Little,	<i>Willimantic.</i>	Webb Hall.
† Mary Elizabeth Mylchreest,	<i>Middletown.</i>	44 Brainerd Ave.
§ Mary Niell,	<i>Cromwell.</i>	Cromwell.
§ Theresa Louise Say,	<i>Waterbury.</i>	217 College St.
§ Susie Gay Short,	<i>Bethel.</i>	Webb Hall.
§ Ruth Elizabeth Snow,	<i>Middletown.</i>	227 Pearl St.
§ Ruth Almira Swan,	<i>Middletown.</i>	3 Baldwin Ave.
Katie Wilcox,	<i>Chester.</i>	Webb Hall.

SPECIAL STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
John William Bransfield,	<i>Portland.</i>	<i>Portland.</i>
Robert Garrett DeBow,	<i>Philadelphia, Pa.</i>	<i>A. Δ. Φ. House.</i>
Carl Whitman Doxsee,	<i>Bay Shore, N. Y.</i>	<i>28 Brainerd Ave.</i>
Frank Gerald Flood,	<i>Portland.</i>	<i>Portland.</i>
Charles Weatherwax Nethaway,	<i>Middletown.</i>	<i>240 College St.</i>
William David Steckley,	<i>Vandorf, Ont., Canada.</i>	<i>2 O. H.</i>
Henry Porter Trefethen,	<i>Kents Hill, Me.</i>	<i>Ivy Hall.</i>
Anna Margaret Dutting,	<i>Middletown.</i>	<i>8 Butternut St.</i>
Jessie Abbott Johnson,	<i>East Hampton.</i>	<i>East Hampton.</i>

SUMMARY.

	MEN.	WOMEN.	TOTAL.
GRADUATE STUDENTS, - - - - -	9	4	13
SENIORS, - - - - -	59	2	61
JUNIORS, - - - - -	68	4	72
SOPHOMORES, - - - - -	64	9	73
FRESHMEN, - - - - -	76	12	88
SPECIAL STUDENTS, - - - - -	7	2	9
TOTAL, - - - - -	283	33	316

ABBREVIATIONS.

N. C., - - - - -	North College.
S. C., - - - - -	South College.
O. H., - - - - -	Observatory Hall.
J. H., - - - - -	Judd Hall.
F. H., - - - - -	Fisk Hall.
S. L., - - - - -	Scott Laboratory of Physics.
§ - - - - -	Latin-Scientific Course.
† - - - - -	Scientific Course.

GENERAL STATEMENT.

Courses of Study.—The College presents to its undergraduate students the option of three parallel courses of study, each extending through four years, named respectively the Classical Course, the Latin-Scientific Course, and the Scientific Course.

In the Classical Course, the study of Latin and Greek forms a large part of the required work of the first year. In the Latin-Scientific Course, Greek is omitted, and, in the Scientific Course, both Greek and Latin are omitted, in order to give more extended opportunity for the study of modern languages, science, and literature.

Required and Elective Studies.—In each of the foregoing courses, nearly all the studies of the first year are required. In the three remaining years, the amount of required work is progressively diminished, the student being allowed to complete his quota by selecting from a wide range of elective studies. He is expected, however, to regulate his choice so that his electives will together form an harmonious and symmetrical course of study; and in no case is a student allowed to select a study which he is not, in the judgment of his instructors, qualified to pursue with advantage.

[Courses of Study, Beginning with 1908.—After this year only two courses of study will be offered, each extending through four years, one leading to the degree of Bachelor of Arts, the other to the degree of Bachelor of Science. Either Latin or Greek will be required for admission to the former course. In the Freshman year English will be required of students of both courses. The rest of the work will be elective from a limited number of courses, with the requirement that a candidate for the B. A. degree must take a three-hour course in either Latin or Greek, and a three-hour course in one of the following: Latin, Greek, Mathematics, Modern Languages; a candidate for the B. S. degree must take the following courses in college, unless he has presented them for admission: I. Mathematics (*either* Solid Geometry and Trigonometry *or* Trigonometry and

Analytic Geometry), I. and II. French, I. and II. German. In the three remaining years, all the studies will be elective, within the limits of a group system. Each student must elect a major study.

A detailed statement of the requirements for admission under the new courses will be found on page 78, of the requirement for graduation on pages 79, 80.]

Special Courses.—Students who do not desire to complete any one of the foregoing courses may receive instruction in such studies as they may select, provided they prove themselves, upon examination, qualified to pursue them with advantage. It should, however, be understood that this provision is intended for the benefit, not of those students who are incompetent to take one of the regular courses, but of those who have already obtained a preliminary education so thorough as to enable them to pursue with advantage extended courses of study in particular departments. Such special students will be expected to attend all exercises assigned them, and will be subject to all the general rules of the college.

Graduate Studies.—Extended instruction is given to those who wish to pursue graduate courses of study in any of the departments. Further information concerning such graduate courses is given in the reports of the several departments on courses of instruction, and also in connection with the statement of conditions for the degrees of Master of Arts and Master of Science.

TERMS OF ADMISSION.

N. B. New requirements for admission have been adopted, to go into effect at the beginning of the year 1908-09. Students applying for admission in September, 1908, will be expected to meet the new requirements. For details see page 78.

CLASSICAL COURSE.*

Candidates for admission to the Classical Course are examined in the following subjects:—

LATIN.—1. Latin grammar, including prosody.

2. Caesar,—four books of the Gallic War, or an equivalent amount of prose Latin of a similar degree of difficulty.

3. Cicero,—six orations, preferably those against Catiline, and those for Archias and for the Manilian Law.

4. Vergil (or Ovid),—Aeneid, books I.–VI., and either 1,000 verses of Ovid or the Eclogues of Vergil.

5. Translation at sight into English of passages of Latin, both prose and poetry, of average difficulty.

6. Translation into Latin of easy narrative passages based on the prose authors read.

With the passages set under headings 5 and 6, a vocabulary of the less common words is supplied.

GREEK.—1. Greek grammar, including prosody. The following text-books are recommended: Hadley-Allen's, Goodwin's, or Babbitt's.

2. Xenophon,—Anabasis, books I.–IV.

3. Homer,—Iliad, books I.–III.

4. Translation at sight of one or more passages from Xenophon.

5. Translation into Greek of easy narrative passages based on the required books of the Anabasis.

* For announcement of prize for excellence in the studies preparatory to admission, see "Ayres Prize."

ANCIENT HISTORY AND GEOGRAPHY.—I. History of Rome to the death of Marcus Aurelius.

2. History of Greece to the capture of Corinth, 146 B. C.
3. Ancient geography.

The following books are recommended as the basis of instruction in ancient history and geography:—

1. Botsford's History of Rome.
2. Botsford's History of Greece.
3. Tozer's Primer of Ancient Geography.

Familiarity with map-drawing is also especially desirable.

MATHEMATICS.—I. Algebra,—Fundamental operations, factors, common divisors and multiples, fractions, negative quantities and the interpretation of negative results, powers and roots, the binomial theorem for positive integral exponents, radicals, equations of the first and second degrees with one or more unknown quantities, putting problems into equations, ratios and proportions, arithmetical and geometrical progressions.

2. Plane geometry,—Demonstrations, constructions, and solutions of numerical problems.

ENGLISH.—Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of English grammar, including ordinary grammatical terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles of paragraph division and structure.

To secure the second end, the candidate is required to read the works named below under A and B. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature.

A. The candidate should read the works prescribed below with a view to understanding and enjoying them. He will be expected to show a reasonable degree of familiarity with their substance. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number set before him in the examination paper.

For students entering in 1908:

Shakespeare's *Macbeth* and *The Merchant of Venice*; the Sir Roger de Coverley Papers in *The Spectator*; Scott's *Ivanhoe* and *The Lady of the Lake*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

For students entering in 1909: *

Shakespeare's *The Merchant of Venice* and *Julius Caesar*; Bunyan's *The Pilgrim's Progress* (Part I.); the Sir Roger de Coverley Papers in *The Spectator*; Scott's *The Lady of the Lake* and *Ivanhoe*; Irving's *Sketch Book*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; George Eliot's *Silas Marner*.

For students entering in 1910 and 1911: *

Shakespeare's *The Merchant of Venice* and *Julius Caesar*; the Sir Roger de Coverley Papers in *The Spectator*; Franklin's *Autobiography*; Scott's *The Lady of the Lake* and *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Dickens's *A Tale of Two Cities*.

B. The candidate should read the books prescribed below with the view of acquiring such knowledge of their contents as will enable him to answer specific questions with accuracy and some detail. The examination is not designed, however, to require minute drill in difficulties of verbal expressions, unimportant allusions, and technical details.

For students entering in 1908:

Shakespeare's *Julius Caesar*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*; Macaulay's *Essay on Addison and Life of Johnson*.

For students entering in 1909, 1910, and 1911:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

* The lists for the classes entering in 1909, 1910, and 1911 are selected from the list adopted by the Conference on Uniform Entrance Requirements in English, at a meeting held in Newark, N. J., February 22, 1905. Candidates may make other selections from that list provided they give notice of their intention to present these books on or before the first day of February preceding the examination.

LATIN-SCIENTIFIC COURSE.

Candidates for admission to the Latin-Scientific Course are examined in the following subjects:—

LATIN.—Same requirements as for the Classical Course.

ANCIENT HISTORY AND GEOGRAPHY.—Same requirements as for the Classical Course, including Greek history and geography.

MATHEMATICS.—Same requirements as for the Classical Course.

ENGLISH.—Same requirements as for the Classical Course.

Four additional courses, to be selected from the following list (provided that at least one course in modern languages must be selected):—

1. **ELEMENTARY FRENCH** (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 400 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of French, elementary grammatical questions, and the translation of simple English sentences into French. To meet this requirement two years' work will generally be necessary.

2. **ELEMENTARY GERMAN** (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 300 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of German, elementary grammatical questions, and the translation of simple English sentences into German. To meet this requirement two years' work will generally be necessary.

3. **ADVANCED FRENCH.**—The requirement includes the reading of not less than 600 additional pages of French (including at least two works of a dramatic character), and regular practice in writing and speaking French. At least one additional year of study will be necessary to meet this requirement.

4. **ADVANCED GERMAN.**—The requirement includes the reading of at least 300 additional pages of German (not more than half of which should be fiction), and regular practice in writing and speaking German. At least one additional year of study will be necessary to meet this requirement.

5. **ADVANCED MATHEMATICS** (counting as two courses).—(1) Solid geometry. (2) Plane trigonometry, with the use of logarithmic and

trigonometric tables. (3) Analytic geometry,—the straight line, the circle, and elementary properties of the conic sections.

6. PHYSICAL GEOGRAPHY AND BOTANY.—(1) In physical geography, such a knowledge of the subject is required as may be gained from the study of the text-book of any one of the following authors: Tarr, Davis, Gilbert and Brigham, Hinman, Dryer, and Geikie. Certificates in physical geography will not be accepted without examination unless one of the text-books above mentioned has been used, nor unless the time devoted to the study has been at least the equivalent of four exercises a week for a half-year.

(2) In botany, the candidate must show such a knowledge of the subject as may be gained from either (1) the study of morphological and structural botany, as included in the recent elementary botanical text-books of Spaulding or Bergen; or (2) the study of Gray's *Lessons in Botany*, accompanied by analysis and description of flowers.

7. PHYSICS.—(1) Such a knowledge of the subject is required as may be obtained, for example, from Carhart and Chute's *High School Physics*, Avery's *School Physics*, Wentworth and Hill's *Text-book of Physics*, or Hoadley's *Brief Course in Physics*.

(2) The candidate must also have performed a series of at least thirty experiments selected as representative of the different departments of physics, and *involving careful measurements*, in addition to any qualitative or very simple quantitative experiments he may have performed, and must present his original note-book, containing full records of the experiments, and certified to by his instructor.

To meet this requirement a full year's work of five exercises a week will in general be necessary.

8. CHEMISTRY.—(1) Such a knowledge of the subject is required as may be gained from Storer and Lindsay's *Manual of Chemistry* (omitting pp. 230-286), Remsen's *Chemistry, Elementary Course*, or Newell's *Descriptive Chemistry*.

(2) The candidate must also have performed a series of at least fifty experiments, and must present his original note-book, containing records of the processes and results of the experiments, and certified to by his instructor.

9. HISTORY OF ENGLAND AND OF THE UNITED STATES.—Such a knowledge of the subject is required as may be gained from Montgomery's *Leading Facts of English History*, and Johnston's *History*

of the United States for Schools or Montgomery's Student's American History. To meet this requirement at least a half-year's work of five exercises a week in each subject will be necessary. The requirement can not be satisfied by work done in the grammar school.

[NOTE.—The American Historical Association through the report of its Committee of Seven, and the New England History Teachers' Association in its Syllabus of History for Secondary Schools have recommended the following course of study in history in all secondary schools:

1st year, Ancient History to 800 A. D.

2nd year, Mediaeval and Modern European History since 800 A. D.

3rd year, English History.

4th year, American History and Civil Government.

In accordance with these recommendations, certificates covering the first, third, and fourth of these groups will be accepted as equivalent to the Wesleyan requirements in the respective subjects. Certificates covering either the first or the second group will be accepted as a substitute for the Wesleyan requirement in English history. An examination on group two will be given if desired.]

SCIENTIFIC COURSE.

Candidates for admission to the Scientific Course are examined in the following subjects:—

MATHEMATICS.—Same requirements as for the Classical Course.

ENGLISH.—Same requirements as for the Classical Course.

HISTORY OF ENGLAND AND OF THE UNITED STATES, as specified on page 32.

Eight additional courses, to be selected from the following list (provided that at least one course in modern languages and at least one course in natural science must be selected):—

I. ELEMENTARY LATIN (counting as two courses).—Grammar; Caesar, four books of the Gallic War, or an equivalent amount of prose Latin of a similar degree of difficulty; translation into Latin of simple English sentences.

2. **ADVANCED LATIN.**—(1) *Either* Cicero, — six orations, preferably those against Catiline, and those for Archias and for the Manilian Law; *or* Vergil (or Ovid),—Aeneid, books I.–VI., and either 1,000 verses of Ovid or the Eclogues of Vergil. (2) Translation at sight into English of passages of easy narrative prose Latin.

3. **ADVANCED MATHEMATICS** (counting as two courses), as specified on page 31.

4. **ELEMENTARY FRENCH** (counting as two courses), as specified on page 31.

5. **ELEMENTARY GERMAN** (counting as two courses), as specified on page 31.

6. **ADVANCED FRENCH**, as specified on page 31.

7. **ADVANCED GERMAN**, as specified on page 31.

8. **PHYSICAL GEOGRAPHY AND BOTANY**, as specified on page 32.

9. **PHYSICS**, as specified on page 32.

10. **CHEMISTRY**, as specified on page 32.

SPECIAL COURSES.

Special students, not candidates for a degree, may be admitted, upon passing such examinations as the Faculty shall in each case prescribe. (See also page 27.)

GENERAL REGULATIONS CONCERNING ADMISSION.

ADVANCED STANDING.—All candidates for advanced standing must satisfy the Faculty of their proficiency in the preparatory studies, the required studies already pursued by the classes they propose to enter, and the proper quota of elective studies, or studies recognized as equivalents therefor. A certificate of standing in another college is not accepted as evidence of such proficiency, without such further inquiry or examination as may be necessary in the judgment of the respective instructors.

PRELIMINARY EXAMINATIONS.—A candidate for admission may obtain a preliminary record a year or more in advance of the time at which he expects to enter college, on condition of passing, in the

June and September examinations of any year taken together, in the equivalent of at least half of the requirements for admission. Teachers and prospective candidates for admission may obtain from the Secretary of the Faculty a schedule of the values which will be assigned to each subject in determining the question of a student's preliminary record.

DATE AND PLACE OF EXAMINATIONS.—The regular examination for admission is held on the Thursday and Friday of Commencement week. Candidates must present themselves at 9 A. M. on the former day. A second examination is held, commencing on the day preceding the first day of the first term. Examinations will be held in Philadelphia, Cleveland, Cincinnati, or Chicago, provided application is made to the President before June 1. In special cases examinations may be held in other localities, provided application is made to the President before June 1. The time of these examinations will be Thursday and Friday of Commencement week. If no applications are received before June 1, these examinations will not be held.

ADMISSION BY CERTIFICATE.—Certificates covering the foregoing requirements for admission to college are received from certain schools of good standing, which have been approved by the Faculty. The privilege of certification is not given to schools which require less than four years of Latin and three years of Greek in their college preparatory course.

No certificate will be received hereafter from any school in New England which has not been approved by the New England College Entrance Certificate Board, of which this college is a member. The Secretary of the Board is Prof. N. F. Davis, of Brown University, Providence, R. I., to whom applications from New England schools for the certificate privilege should be addressed. Such applications must reach the Secretary not later than April first, if approval is desired for the next academic year.

Certificates of the College Entrance Examination Board will be received in lieu of examination in the subjects which they cover.

Diplomas (and in some cases certificates) issued by the Regents of the University of the State of New York, and pass cards supplementary to such diplomas or certificates, will be received in lieu of examination in the subjects which they cover.

Certificates from preparatory schools and Regents' diplomas are never accepted in lieu of examination for advanced standing.

Students entering by certificate are considered as on trial until the

completion of the mid-year examinations. A student admitted to college on certificate, who is dismissed during his Freshman year on account of inability to keep up with his class, must take examinations in all subjects required for admission, in case he desires to return to college.

Detailed information concerning admission by certificate may be obtained on application to the Secretary of the Faculty.

ADMISSION OF WOMEN.—Women were first admitted to the University in 1872. The rule at present in force in regard to their admission was adopted by the Trustees in June, 1900, as follows: "The University will admit women in a number limited to those who can be accommodated in the college buildings and in their own homes in Middletown, and the number in the University shall be limited to twenty per cent. of the whole number of students in the preceding year."

In view of the limitation of the number of women to be admitted, all women desiring admission should, if possible, make application to the Secretary of the Faculty before June 15th.

Miss Julia Brazos, Ph. B., Dean of Women, has general oversight of the interests of the women students, and correspondence from women on all matters, except admission, course of study, and tuition scholarships, should be addressed to her.

Satisfactory evidence of good moral character will be required in the case of all candidates for admission; and certificates of honorable dismissal will be required from those who have been members of other colleges.

COURSES OF INSTRUCTION.

For regulations concerning selection of studies, see page 76.

The figures ¹ or ² following the number of a course indicate respectively that the course is offered for the first or the second half-year.

The place of meeting of each course is indicated by means of the following abbreviations: F. H.=Fisk Hall; J. H.=Judd Hall; O. H.=Observatory Hall; S. L.=Scott Laboratory of Physics; CHEM. LAB., BIOL. LAB.=Chemical, Biological Laboratory.

The Roman numerals in parenthesis following each course indicate the examination group to which it is assigned. For table of groups, see pages 74 and 75.

An asterisk prefixed to the number of a course indicates that it can be elected only with the previous approval of the instructor: such approval must be *in writing* and must be handed in by the student *along with his list of electives*.

Bracketed courses are not given this year, but will, in most cases, be given next year.

LATIN.

PROFESSOR HARRINGTON; ASSOCIATE PROFESSORS NICOLSON
AND HEWITT.

NOTE.—Of the following courses in Latin Courses I.-IV. are given every year; of Courses V.-XIX. each is given in alternate years only, the bracketed courses being omitted in 1907-08, but to be given in 1908-09 in place of the unbracketed courses. Course I. is required of all Classical and Latin-Scientific Freshmen; Courses II.-IV. are elective for those who have taken Course I., and are required of candidates for preliminary honors in classics. Courses V.-XIX. are elective for those who have taken Courses I.-III., but students of marked ability in the reading of Latin, who are taking Courses II. and III., may be admitted to certain of them by special permission from the instructor, to whom application should in each case be made.

I. LIVY,—Selections (*first half-year*). TERENCE,—Heauton Timoroumenos; PLAUTUS,—Menaechmi; CICERO,—De Amicitia (*second half-year*). Exercises in sight translation and in prose composition throughout the year. SECTION 1, *Mon., Wed., Th., Fri., at 9*; SECTION 2, *Mon., Wed., Th., Fri., at 11*; SECTION 3, *Mon., Wed., Th., Fri., at 12*. 31 F. H. PROFESSORS NICOLSON and HEWITT. (II.)

Course I. is required of Classical and Latin-Scientific Freshmen.

II.¹ CICERO,—Selected Letters. *Tu., Th., at 9 (first half-year).*
13 F. H. PROFESSOR HARRINGTON. (VIII.)

III.² HORACE,—Odes and Epodes. *Tu., Th., at 9 (second half-year).* 13 F. H. PROFESSOR HARRINGTON. (VIII.)

IV. LATIN PROSE COMPOSITION. The course begins with the systematic study of the elementary principles of Latin rhetoric, accompanied by brief practical exercises, and proceeds, in the second half-year, to the rendering into Latin of connected passages of modern historical and epistolary prose. *Tu., at 3.* 31 F. H. PROFESSOR HARRINGTON.

V. RAPID READING. The aim in this course is to read large amounts of comparatively easy Latin, with a view to acquiring facility in the use of the language. The selections for the first half-year are from poetry (Vergil, Plautus, Terence); in the second half-year from prose (Cæsar, Suetonius, Apuleius). *Tu., Th., at 12.* 13 F. H. PROFESSOR NICOLSON. (XI.)

[VI. ROMAN LITERATURE. A historical and critical survey of Roman literature given by means of lectures, a text-book dealing with the general subject, illustrative class-room readings in Latin and in English translations, and a choice of several collateral reading courses covering different periods. This course is designed primarily for students who desire a wider general acquaintance with the literature of the Romans and its relation to other literatures, without special emphasis upon its distinctly philological features. *Twice (counting as three times) a week.* PROFESSOR HARRINGTON.]

VII. ROMAN ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, and Ovid. *Tu., Th., at 11.* 13 F. H. PROFESSOR HARRINGTON. (X.)

[VIII.¹ OVID,—the Fasti, with special attention to questions of Roman history and ritual. *Twice a week (first half-year).* PROFESSOR NICOLSON.]

[IX.¹ ROMAN SATIRE. Selections from Ennius, Lucilius, Varro, Horace, and Persius. *Twice a week (first half-year).* PROFESSOR HARRINGTON.]

[X.² ROMAN SATIRE. A continuation of Course IX. Selections from Juvenal, Petronius, and Apuleius; the Apocolocyntosis of Seneca; lectures on the earliest forms of the novel. *Twice a week (second half-year)*. PROFESSOR NICOLSON.]

XI. ROMAN PHILOSOPHY. Lucretius (selections); Cicero (selections from the *Academica*, *De Officiis*, *Tusculanae Disputationes*, *De Finibus*, *De Natura Deorum*); Seneca (*De Providentia*, *De Vita Beata*); lectures on the development of Roman philosophy. *Wed., Fri., at 12*. 37 F. H. PROFESSOR HARRINGTON. (V.)

XII.¹ PLINY THE YOUNGER,—Selected letters, to illustrate (together with Course X.) the state of Roman society at the close of the first century after Christ. *Mon., Wed., at 9 (first half-year)*. 37 F. H. PROFESSOR HARRINGTON. (II.)

[XIII.² TACITUS. Selections from the *Annals* I.–VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

XIV.² CATULLUS,—with some comparison of other Latin lyric poetry. *Mon., Wed., at 9 (second half-year)*. 37 F. H. PROFESSOR HARRINGTON. (II.)

[XV. ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original, and of secondary authorities, and the careful preparation of note-books. *Once a week*. PROFESSOR HARRINGTON.]

[XVI. ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original, and of secondary authorities, and the careful preparation of note-books. *Once a week*. PROFESSOR HARRINGTON.]

[XVII.¹ LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[XVIII.² HISTORICAL LATIN GRAMMAR. Lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

XIX. ROMAN POLITICAL INSTITUTIONS AND LAW. An introductory course, based partly on original, and partly on modern authorities, given by lectures and the use of text-books. *Th., at 10.* 37 F. H. PROFESSOR HARRINGTON. (IX.)

For the most successful prosecution of even the earlier courses in Latin, ability to read German prose on philological subjects is decidedly advantageous, and for the most advanced courses it is generally necessary. Students, therefore, who look forward to the study of Latin beyond the more elementary courses, and who have on admission to college no acquaintance with German, should devote special attention to that subject in the Freshman year.

GRADUATE INSTRUCTION.

Courses XVI., XVII., and XVIII., while open to undergraduates, may appropriately be taken as graduate work. Other graduate courses are arranged according to the tastes or attainments of individual students.

GREEK.

PROFESSOR HEIDEL; ASSOCIATE PROFESSOR HEWITT.

I. LYSIAS,—Select Orations; PLATO,—Euthyphro and Apology (*first half-year*). PLATO,—Crito; HOMER,—Odyssey (*second half-year*). *Tu., Wed., Th., Fri., at 10.* 37 F. H. PROFESSOR HEIDEL. (III.)

Course I. is required of Classical Freshmen.

II. THUCYDIDES,—Books II. and III. (*first half-year*). HERODOTUS,—Selections (*second half-year*). *Tu., Th., at 11.* 37 F. H. PROFESSOR HEWITT. (X.)

Course II. is elective for those who have taken Course I. It is required of candidates for preliminary honors in classics.

[III. GREEK PROSE COMPOSITION. *Once a week.* PROFESSOR HEIDEL.]

Course III. is elective for those who have taken, or are taking, Course II. It is required of candidates for preliminary honors in classics, alternating with Course IV. It is omitted the present year.

IV. HISTORY OF GREEK LITERATURE. Lectures and collateral reading. *Fri., at 11.* 37 F. H. PROFESSOR HEIDEL. (IV.)

Course IV. is elective for those who take Course II., or for Juniors. It is required of candidates for preliminary honors in classics, alternating with Course III.

[V. DEMOSTHENES, — The Oration on the Crown. Collateral study of the oration of Aeschines against Ctesiphon, and of the life and times of Demosthenes (*first half-year*). PINDAR AND BACCHYLIDES. Collateral reading on the Greek lyric poets (*second half-year*). *Three times a week.* PROFESSOR HEIDEL.]

Course V. is elective for those who have taken Course II. It is omitted the present year.

VI. AESCHYLUS, — Prometheus Bound. SOPHOCLES, — Oedipus the King and Antigone. Lectures and collateral reading on the Greek theatre (*first half-year*). EURIPIDES, — Medea and Cyclops. ARISTOPHANES, — Frogs. Lectures and collateral reading on the Greek drama (*second half-year*). *Mon., Wed., Fri., at 8.* 37 F. H. PROFESSOR HEWITT. (I.)

Course VI. is elective for those who have taken Course II.

VII.¹ NEW TESTAMENT IN GREEK. *Tu., Th., at 3 (first half-year).* 37 F. H. PROFESSOR HEIDEL. (XII.)

Course VII. is elective for those who have taken, or are taking, Course II.

[VIII.² THEOCRITUS AND LUCIAN. *Twice a week (second half-year).* PROFESSOR HEIDEL.]

Course VIII. is elective for those who have taken Course II. It is omitted the present year.

[IX. GREEK CIVILIZATION. Lectures and collateral reading on the art, the religion, and the thought of ancient Greece in relation to modern civilization. *Twice a week.* PROFESSOR HEIDEL.]

Course IX. is elective for Juniors. It is omitted the present year.

X.¹ THE PUBLIC ANTIQUITIES OF ATHENS. Lectures, collateral reading, and reports on the organization of Athenian society, slavery, religion as connected with the state, and the duties of the Athenian as a citizen. *Tu., Th., at a (first half-year).* 37 F. H. PROFESSOR HEIDEL.

Course X. is elective for those who have taken Course II.

XI.² THE PRIVATE LIFE OF THE GREEKS. Lectures, collateral reading, and reports. *Tu., Th., at a (second half-year).* 37 F. H. PROFESSOR HEIDEL.

Course XI. is elective for those who have taken Course II.

[XII. PLATO,—*Republic (first term).* ARISTOTLE,—*Metaphysics (second term).* *Three times a week, first two terms, counting as two hours for the year.* PROFESSOR HEIDEL.]

Course XII. is elective for those who have taken Course V. or Course VI. It is omitted the present year.

XIII.² GREEK LITERARY CRITICISM. Aristotle's *Poetics*, the treatise *On the Sublime*, and selections from Dionysius of Halicarnassus. *Twice a week (second half-year), the hours to be determined hereafter.* PROFESSOR HEIDEL.

Course XIII. is elective for those who have taken Course V. or Course VI.

Ability to read German on philological subjects will generally be found to be necessary for the advanced courses in Greek.

GERMAN.

PROFESSOR FIFE; MR. SUPER.

I. ELEMENTARY GERMAN. Vos's *Essentials of German*; Huss' *German Reader*; Heyse,—*L'Arrabbiata*; Storm,—*Pole Poppenspäler*; Fulda,—*Unter vier Augen*; Grimm,—*Kinder- und Hausmärchen*. Exercises in conversation and composition, based on the texts read and on an elementary manual. SECTION 1, *Mon., Wed., Fri., at 8*; SECTION 2, *Mon., Wed., Fri., at 12.* 15 F. H. PROFESSOR FIFE and MR. SUPER. (I.)

For rules in regard to the election of I. German, see page 47.

II. ADVANCED GERMAN. E. T. A. Hoffmann,—Meister Martin der Kufner; Schiller,—Wilhelm Tell; Sybel,—Die Erhebung Europas; Keller,—Legenden; Fulda,—Der Talisman; C. F. Meyer,—Der Heilige. A part of this reading is done at sight. One hour a week throughout the year is devoted to a review of elementary grammar, with paraphrases and prose composition. A considerable part of the class exercises are conducted in German. Text-books, Thomas's Practical German Grammar, and a manual of prose composition in the second half-year. *Mon., Wed., Fri., at 11.* 15 F. H. PROFESSOR FIFE. (IV.)

Course II. is elective for those who have taken Course I.

III. GERMAN CONVERSATION AND GERMAN DAILY LIFE. Practice in conversation based on Thiergen's *Am deutschen Herde*, followed by selected chapters from R. Kron's *German Daily Life*. Lectures and pictures illustrating German life and institutions. All class exercises are conducted in German. *Tu., at 2.* 39 F. H. PROFESSOR FIFE.

Course III. is elective for those who have taken Courses I. and II. It may be elected, with the permission of the instructor, together with Course II.

[* IV.¹ GERMAN PROSE COMPOSITION AND ADVANCED GRAMMAR. This course begins with an intensive review of the elementary phonology and forms of the language, followed by a study of German syntax, and an introduction to historical grammar. Regular class exercises in German prose composition, supplemented by independent themes. *Twice a week (first half-year).* PROFESSOR FIFE.]

Course IV. is elective, with the permission of the instructor, for those who have taken Courses I.—III. It is intended especially for those preparing to teach German. It is omitted the present year.

V. THE CLASSICAL PERIOD.—Lessing, Goethe, and Schiller are taken up in the order named, and a brief study is made of the life of each, based on lectures, accompanied by parallel readings from their works. Regular written themes form a part of the course. During the current year the following are read in class: Lessing,—*Emilia Galotti*; Goethe,—*Egmont* and *Faust I.*; Schiller,—*Wallenstein* (all parts). *Mon., Wed., Fri., at 12.* 39 F. H. PROFESSOR FIFE. (V.)

Course V. is elective for those who have taken Courses I. and II.

VI.¹ NINETEENTH CENTURY LITERATURE. Various phases and periods are studied in successive years. During the current year the earlier drama of the century is taken up. Rapid readings from Kleist, Grillparzer, Hebbel, Freytag. The first work read is Kleist's Prinz Friedrich von Homburg. *Wed., Fri., at 11 (first half-year)*. 39 F. H. MR. SUPER. (IV.)

VII.² THE GERMAN NOVELLE. The development of this peculiarly German form of narrative literature is traced from the Romantic period through the nineteenth century. Typical works are read from Kleist, Tieck, Mörike, Keller, Storm, Heyse and Schnitzler. Part of this reading is done outside of class, and is made the subject of written themes. The first text read is Kleist's Michael Kohlhaas. *Tu., Th., at 12 (second half-year)*. 39 F. H. PROFESSOR FIFE. (XI.)

Courses VI. and VII. are elective for those who have taken Courses I. and II.

VIII.³ THE HISTORY OF GERMAN LITERATURE, I. From the earliest beginnings to the end of the sixteenth century. A course of lectures, supplemented by parallel readings from Thomas's Anthology of German Literature, and by themes. All lectures and class exercises are conducted in German. *Tu., Th., at 8 (second half-year)*. 39 F. H. PROFESSOR FIFE. (VII.)

[IX.² HISTORY OF GERMAN LITERATURE, II. From the beginning of the seventeenth century to the present time. A course of lectures, supplemented by parallel readings, and by themes. All class exercises in German. *Twice a week (second half-year)*. PROFESSOR FIFE.]

Courses VIII. and IX., which are given in alternate years, are elective for those who have taken Courses I. and II., and who have taken, or are taking, Course III. Course IX. is omitted the present year.

X.¹ MIDDLE HIGH GERMAN. The course is a brief introduction to the early classical period, and is literary rather than linguistic in its aims. Wright's Middle High German Primer. Readings from Hartmann von Aue's Der arme Heinrich, the Nibelungenlied (Bartsch's edition), and Walther von der Vogelweide (Bartsch's edition). *Tu., Th., at 8 (first half-year)*. 36 F. H. PROFESSOR FIFE. (VII.)

Course X. is elective for those who have taken Courses I.-III.

GRADUATE INSTRUCTION.

Courses VIII., IX., and X. are intended as an introduction to graduate work, and may, with additional requirements, be taken as graduate courses. Further graduate instruction may be arranged for through private conference.

ROMANCE LANGUAGES.

PROFESSOR KUHN; MR. SUPER.

I. ELEMENTARY FRENCH. Fraser and Squair's French Grammar, Part I. Kuhns's French Reading for Beginners. Margueritte,—Strasbourg; Erckmann-Chatrian,—Madame Thérèse; About,—Le Roi des Montagnes. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., Wed., Fri., at 8*; SECTION 2, *Mon., Wed., Fri., at 3*. 14 F. H. MR. SUPER. (VI.)

For rules in regard to the election of I. French, see page 47.

II. ADVANCED FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight reading in class, and for each half-year collateral reading is given to be prepared by the student himself for examination. On Fridays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. *Mon., Wed., Fri., at 11*. 39 F. H. PROFESSOR KUHN. (IV.)

Course II. is elective for those who have taken Course I.

*III. FRENCH COMPOSITION AND CONVERSATION. The object of this course is to give practice in writing, speaking, and hearing French. There is a large amount of composition, interesting stories are read and discussed, and lectures are given in French on the modern French novel. During the year several informal lectures on travel in Europe are given in French by Professor Kuhns. These lectures are illustrated by lantern slides. *Mon., Wed., at 2*. 14 F. H. MR. SUPER.

Course III. is elective, with the permission of the instructor, for those who have taken, or are taking, Course II.

*IV. MODERN FRENCH LITERATURE. French literature in the seventeenth, eighteenth, and nineteenth centuries. The masterpieces of Corneille, Racine, Molière, Boileau, La Fontaine, Rousseau,

Chateaubriand, Lamartine, Alfred de Musset, Victor Hugo, Balzac, and others are read and discussed (but not translated) in class. Frequent lectures are given by the instructor on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. At each recitation translation from English into French is made. In addition, each member of the class must make, twice during the year, a more extensive study of some one particular writer. *Tu., Th., at 11.* 39 F. H. PROFESSOR KUHN. (X.)

Course IV. is elective, with the permission of the instructor, for those who have taken, or are taking, Course III.

V. OLD FRENCH. The work for the current year consists in the translation of Old French texts, and the study of Old French literature, with special reference to its influence on the literatures of the other nations of Western Europe. Lectures, collateral readings and reports form part of the work. *Tu., at 9 (counting as two hours a week).* 39 F. H. PROFESSOR KUHN. (VIII.)

Course V. is elective for those who have taken Courses I.-IV.

*VI. FRENCH SEMINARY. This course is especially designed to meet the needs of those who intend to teach French. It includes the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. *Th., at 9.* 39 F. H. PROFESSOR KUHN. (VIII.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

VII. ELEMENTARY ITALIAN. Italian Principia, I. De Amicis, —Cuore; Pellico, —Le Mie Prigioni; Manzoni, —I Promessi Sposi. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the Inferno and the Purgatorio of Dante, the last half-hour of each recitation being devoted to this exercise. As a preparation for this part of the work, the class is required to read Gardner's Dante. *Mon., Wed., at 8.* 39 F. H. PROFESSOR KUHN. (I.)

Course VII. is elective for Sophomores who have taken I. French.

[VIII. ADVANCED ITALIAN. Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Twice a week.* PROFESSOR KUHN.]

Course VIII. is elective for those who have taken Course VII. It is omitted the present year.

IX. DANTE IN ENGLISH. The New Life and the Divine Comedy are read in English translations. The instructor interprets these books in the light of the history, science, theology and philosophy of the Middle Ages, comparing Dante with Homer, Shakespeare, and other world-poets, and showing his influence on modern thought, art and literature. *Fri., at 8.* 39 F. H. PROFESSOR KUHNS. (I.)

Course IX. is elective for Juniors.

[X. ELEMENTARY SPANISH. Grammar, and reading of simple Spanish prose. *Twice a week.* MR. SUPER.]

Course X. is elective for Sophomores who have taken I. French. It is omitted the present year.

XI. ADVANCED SPANISH. The chief emphasis in this course is laid on the Don Quijote of Cervantes. *Wed., Fri., at 9.* 39 F. H. MR. SUPER. (II.)

Course XI. is elective for those who have taken Course X.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

Of the courses in French and German, Classical Freshmen are required to pursue either I. French or I. German, but are allowed their option between the two. Students in the Latin-Scientific Course are examined at entrance in the equivalent of either I. French or I. German, as they may elect, and in the Freshman year are required to pursue one course in French or German. They may continue the study of the language in which their entrance examination was taken, or may begin the study of the other language, as they may elect. Students in the Scientific Course are required to complete the equivalent of Courses I. and II. in French and I. and II. in German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as possible after entering.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

I. GENERAL INTRODUCTION TO ENGLISH LITERATURE. 1. An outline of the history of the literature. Stopford Brooke's English Literature, with lectures. *First half-year.*

2. Class-room reading and discussion of literary masterpieces, illustrative of different varieties and periods of English literature. The works selected are: Chaucer's Prologue to the Canterbury Tales, and the Nonne Preestes Tale; Shakespeare's Hamlet; Milton's minor poems. *Second half-year.*

3. A brief course of collateral reading, with written recitations and essays upon subjects drawn from the reading. Members of the class choose one of the courses in Winchester's Five Short Courses of Reading in English Literature. These courses consist of selections from the following authors:

(1) 1559-1674. Marlowe, Green, Shakespeare, Bacon, Milton.

(2) 1660-1745. Dryden, Addison, Steele, Swift; with Johnson's Lives of Dryden, Swift, and Pope, and Thackeray's Lectures on the English Humourists.

(3) 1745-1789. Gray, Goldsmith, Johnson, Burke, Cowper, Burns; with Leslie Stephen's Life of Johnson, Dobson's Life of Goldsmith, Morley's Life of Burke.

(4) 1789-1832. Wordsworth, Coleridge, De Quincey, Lamb, Byron, Shelley, Keats.

(5) 1832-1880. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson.

Mon., Wed., at 12. 14 F. H.

(V.)

Course I. is elective for Sophomores.

II. SIX PLAYS OF SHAKESPEARE. *Mon., Wed., Fri., at 9.* 14 F. H. (II.)

[III. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Arnold, Tennyson, Browning. *Three times a week.*]

[IV. ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Three times a week.*]

Courses II., III., and IV. are elective for those who have completed Course I. Courses III. and IV. are omitted the present year.

[V. NEW ENGLAND LITERATURE, 1835-1885. Emerson, Longfellow, Lowell, Hawthorne, Whittier, Holmes. *Twice a week.*]

[VI. LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Bolingbroke, Pope. *Twice a week.*]

VII. ESSAYISTS AND REVIEWERS OF THE EARLY NINETEENTH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Wilson, Hunt. *Mon., Wed., at 11.* 23 F. H. (IV.)

Courses V., VI., and VII. are elective, with some restrictions, for those who have taken Course I., either Course II., Course III., or Course IV., and Course VIII. Courses V. and VI. are omitted the present year; and by special arrangement, for this year only, the subjects of Course III. are substituted for those of Course VII.

VIII. ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's *Principles of Literary Criticism* is used as a text-book. *Fri., at 11.* 29 F. H. (IV.)

Course VIII. is elective for those who have taken Course I.

IX. DEBATE. Weekly practical exercises. Two members of the class are appointed to conduct the debate at each exercise. They must prepare written briefs of their argument, which are revised and corrected by the instructor, and are then publicly posted four days before the debate. *Mon., at 10.* 29 F. H.

Course IX. is elective for Seniors, and those who elect it are excused from half the rhetorical work required in Course X.

X. ENGLISH COMPOSITION. The rhetorical exercises of the Senior class are assigned to this department. Every Senior (unless excused from half this requirement by the provisions of Course IX.) must write either four essays or two orations. All written work receives the personal criticism of the instructor.

The rhetorical exercises of the Senior year are rated as the equivalent of three hours work per week for the year; these hours are required in addition to the minimum quota (14) prescribed for Seniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD; DR. DAVIS.

I. RHETORIC. Lamont's English Composition, Mead's Composition and Rhetoric. For supplementary reading, Wendell's English Composition is recommended. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also at hours appointed by the instructor. SECTION 1, *Tu.*, at 8; SECTION 2, *Tu.*, at 9; SECTION 3, *Wed.*, at 9 (*counting as two hours a week*).
29 F. H. PROFESSOR MEAD. (VIII.)

Course I. is required of Freshmen.

II. ENGLISH COMPOSITION. A. Sophomores are required to write six essays during the year on subjects approved by the instructor.

B. Juniors write on subjects of their own selection, and choose one of the two following courses: Course I., consisting of five general and two departmental essays; Course II., consisting of two general and four departmental essays. The departmental essays must be written on subjects related to some department of college work and approved by the instructor in English.

Appointments for personal criticism are made for Sophomores and Juniors.

The essays of Sophomore and Junior years are rated as the equivalent each of two hours' work per week for the year; these hours are required in addition to the minimum quota (14) prescribed for each of these two years.

*III. THE THEORY AND PRACTISE OF EXPOSITION. Buck and Woodbridge's Expository Writing, supplemented by discussions and exercises. *Tu.*, *Th.*, at 12. 13 F. H. DR. DAVIS. (XI.)

Course III. is elective for Sophomores, with the permission of the instructor.

IV. OLD ENGLISH (Anglo-Saxon). This course is of fundamental importance as an introduction to the study of the English language and Early English literature. The principal reading at the outset is in Bright's edition of The Gospel of St. John in West Saxon. The grammar is drawn from Bright's Anglo-Saxon Reader, with copious illustrations and explanations based upon the texts read. The reading of the second half-year is mainly in Old English poetry and in prose illustrating important periods of Old English history.

A lecture once a week, with a reading of Skeat's Primer of English Etymology, explains in detail the relations of the Old English language to modern English. *Tu., Th., Fri., at 12.* 29 F. H. PROFESSOR MEAD. (XI.)

Course IV. is elective for Sophomores.

[*V. MIDDLE ENGLISH. Emerson's Middle English Reader; Chaucer's Canterbury Tales and Minor Poems; ten Brink's Language and Metre of Chaucer. The pieces read in class are discussed in lectures treating the period from the point of view of comparative literature. For this course an accurate knowledge of Old English (Anglo-Saxon) is a prerequisite. *Twice a week.* PROFESSOR MEAD.]

Course V. is elective for Juniors, with the permission of the instructor. It is omitted the present year.

VI. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course, which is of a popular, untechnical character, is to show in lectures and class discussions how English words have been made, how they have changed their sounds, their forms, and their meanings, how and when foreign words have been borrowed, and, in particular, how American English differs from that of England. The work is brought into close connection with the study of literature. A special subject of study is the diction of the seventeenth and eighteenth century English poets. The principal collateral work is based upon Jespersen's Growth and Structure of the English Language, and Skeat's Concise Etymological Dictionary. *Mon., Wed., at 12.* 29 F. H. PROFESSOR MEAD. (V.)

Course VI. is elective for Juniors.

[VII. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's Idylls of the King, Swinburne's Tale of Balen, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. *Twice a week.* PROFESSOR MEAD.]

Course VII. is elective for Juniors. It is omitted the present year.

VIII. ENGLISH FICTION. The forms and methods of narrative composition, with lectures illustrating the history of the novel. Perry, A Study of Prose Fiction; Cross, Development of the English Novel. Supplementary reading is assigned for each member of the class. *Wed., at 8, Th., at 10.* 29 F. H. PROFESSOR MEAD.

Course VIII. is elective for Juniors.

PUBLIC SPEAKING.

MR. WETZEL.

PUBLIC SPEAKING. Instruction in the course in public speaking is given in three sections, one for each of the three upper classes.

A. SOPHOMORES. Special attention is given to vocal training, pronunciation, and articulation, and to the acquirement of a distinct and natural habit of reading and speaking. *Sat., at 9.* 13 F. H.

B. JUNIORS. This course includes systematic practice in delivery with special reference to the fundamental characteristics of natural speaking, viz.: pause, touch, change of pitch, inflection, movement, and tone-color. *Sat., at 10.* 13 F. H.

C. SENIORS. This course includes practice in forensic speaking and in the vocal interpretation of Julius Caesar, Hamlet, and The Merchant of Venice, with special reference to argumentation and dramatic delivery. *Sat., at 11.* 13 F. H.

Once a week for twenty weeks, counting as half an hour for the year.

This course cannot be elected as part of the minimum quota of 14 hours.

HISTORY.

PROFESSOR DUTCHER.

I. ENGLISH HISTORY. From the earliest times to the present day. Gardiner's Student's History of England or Terry's History of England, and Adams and Stephens's Select Documents of English History. Lectures and assigned work. *Tu., Th., at 8.* 11 F. H. (VII.)

Course I. is elective for Sophomores. Those intending to elect the later courses in history should elect Course I. in the Sophomore year.

I. A. ENGLISH HISTORY COLLATERAL READINGS. Assigned readings, written recitations and reports. For the current year the readings are assigned from the volumes of the Twelve English Statesmen series. *The course counts as one hour for the year.*

Course I. A. is elective for those who are taking Course I.

II. AMERICAN COLONIAL HISTORY, 1492-1789. Channing's History of the United States, Hart's Formation of the Union, MacDonald's Select Charters. Lectures and assigned work. *Mon., Wed., Fri., at 12.* 11 F. H. (V.)

Course II. is elective for those who have taken Course I. in history or Course I. in economics.

[III. UNITED STATES HISTORY, 1789-1865. Hart's Formation of the Union, Wilson's Division and Reunion, MacDonald's Select Documents of United States History. Lectures and assigned work. *Three times a week.*]

Course III. is elective for those who have taken Course I. in history, or Course I. in economics. Courses II. and III. are given in alternate years, Course III. being omitted the present year.

[IV. EUROPEAN HISTORY, 300-1600. Hassall's Periods of European History, vols. 1-4. Lectures and assigned work. *Three times a week.*]

Course IV. is elective for those who have taken Course I.

V. EUROPEAN HISTORY, 1600-1890. Stephens's Syllabus of Modern European History; Hassall's Periods of European History, vols. 5-8. Lectures and assigned work. *Mon., Wed., Fri., at 8. 11 F. H.* (I.)

Course V. is elective for those who have taken Course I. Courses IV. and V. are given in alternate years, Course IV. being omitted the present year.

*VI. HISTORICAL SEMINARY. Subject for the current year: Discussions of historical method, with special application to the study of select topics from the history of the United States from 1865 to 1869. *Th., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VI. is elective, with the permission of the instructor, for Seniors who have taken Course I., either Course II. or Course III., and either Course IV. or Course V.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Recitations and discussions. *Tu., Th., at 9.* 15 F. H. (VIII.)

Course I. is required in the Junior or Senior year; with the permission of the instructor, it may be taken by Sophomores.

[II. **ADVANCED ECONOMICS.** This course includes a brief historical view, on the basis of Ingram's History of Political Economy, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Twice a week.*]

Course II. is elective for those who have taken Course I. It is omitted the present year.

III. **PUBLIC FINANCE.** The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Mon., Wed., at 11.* 12 F. H. (IV.)

Course III. is elective for those who have taken Course I.

IV. 1. **MONEY AND BANKING.** A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the various schemes for reform. 2. **THE TRUST PROBLEM.** A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 3. **THE TARIFF.** A study of the theory of protective customs duties and of the history of tariffs in America. *Tu., Th., at 12.* 12 F. H. (XI.)

Course IV. is elective for those who have taken Course I.

V. **THE GENERAL LABOR PROBLEM.** A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations, strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Twice a week.*]

Course V. is elective for those who have taken Course I. It is given in alternate years with Course IV. and is omitted the present year.

VI. **SOCIOLOGY.** A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Twice a week.*]

Course VI. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VII., and is omitted the present year.

VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Tu., Th., at 11.* 11 F. H. (X.)

Course VII. is elective for those who have taken, or are taking, Course I.

* VIII. ECONOMIC SEMINARY. Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. For the current year the topics are related to the problem of industrial monopoly, as discussed in Course IV. *Mon., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV., must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is open also to such undergraduates as are making special studies in the department. Courses II.-VII., while intended primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

PHILOSOPHY.

PROFESSORS ARMSTRONG AND DODGE.

I.² LOGIC. Jevons-Hill's Elements of Logic. An elementary course in the fundamental forms of reasoned thinking, both deductive and inductive. The study of the text-book is illustrated by numerous examples in logical praxis. SECTION I, *Tu., Th., at 8*; SECTION 2, *Tu., Th., at 10 (second half-year)*. 28 F. H. PROFESSOR DODGE. (IX.)

Course I. is required of Sophomores.

II.⁴ PSYCHOLOGY. Sully's Outlines of Psychology, with references to other authorities. Lectures and discussions are used to supplement the text-book. These are introduced especially in explanation of the more recent psychological investigations and of positions still under debate. *Mon., Wed., Fri., at 10 (first half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course II. is required of Juniors.

III. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY. Lectures and demonstrations with collateral reading. The course begins with a discussion of the physical basis of mind, but more than half of the time is devoted to the study of the chief experimental methods and results. *Mon., Wed., at 3*. 22 F. H. PROFESSOR DODGE. (VI.)

Course III. is elective for Juniors.

IV.¹ ADVANCED LOGIC. Hibben's Inductive Logic. A systematic discussion of the origin, the forms and the limitation of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and scientific evidence are analyzed and the practical limits of proof are discussed. *Mon., Wed., at 11 (first half-year)*. 24 F. H. PROFESSOR DODGE. (IV.)

Course IV. is elective for Juniors.

V.² INTRODUCTION TO PHILOSOPHY. Lectures and recitations, with references to the Introductions of Stuckenbergh, Ladd, Külpe, and Paulsen. The course is planned to meet the needs of students who seek general instruction in the encyclopedia and the outlines of philosophy, as well as of students who intend to specialize in the department. *Wed., Fri., at 10 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course V. is elective for Juniors.

VI.² ANCIENT AND MEDIAEVAL PHILOSOPHY. Zeller's Outlines of Greek Philosophy, with references to Schwegler, Zeller's larger work, and other authorities; lectures and discussions. *Mon., Wed., at 11 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (IV.)

Course VI. is elective for Juniors.

VII.¹ MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other standard histories of philosophy. *Tu., Th., at 3 (first half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (XII.)

Course VII. is elective, under ordinary circumstances, for those who have taken Course VI.

VIII.² MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other authorities. *Tu., Th., at 3 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (XII.)

Course VIII. is elective for those who have taken Course VII.

IX. ADVANCED PSYCHOLOGY. Lectures and reports by members of the class. Part I. A systematic general account of the emotions and the will. Part II. A more detailed account of special phenomena, including anger, fear, the tender emotions, sympathy, the aesthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Mon., at 10*. 22 F. H. PROFESSOR DODGE. (III.)

Course IX. is elective for those who have taken Course II.

* X. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. The subject of investigation for the current year is fatigue. *Th., 2 to 4, counting as one hour for the year*. 22 F. H. PROFESSOR DODGE.

Course X. is elective, with the permission of the instructor, for those who have taken Courses II. and III.

* XI.¹ READINGS IN MODERN PHILOSOPHY. In this course representative works of leading thinkers of the first half of the modern period are read and discussed. Special attention is given to selections from the works of Descartes, Locke, Berkeley, and Hume. *Wed., at 8 p. m. (first half-year), counting as one hour for the year*. 24 F. H. PROFESSOR ARMSTRONG.

Course XI. is elective, with the permission of the instructor, for those who are taking Course VII.

* XII.² METAPHYSICS. Selections from the works of Kant and other modern philosophers. Class readings and discussions. Topical reports and theses may also be required. *Wed., at 8 p. m. (second half-year), counting as one hour for the year.* 24 F. H. PROFESSOR ARMSTRONG.

Course XII. is elective, with the permission of the instructor, for those who are taking Course VIII.

GRADUATE INSTRUCTION.

Courses IX.-XII. are intended for advanced undergraduates and graduates. Special courses for graduate students, under the direction of the instructors of the department, may be arranged in advanced experimental and theoretical psychology, historical philosophy, and metaphysics.

ETHICS AND RELIGION.

PRESIDENT RAYMOND; PROFESSORS RICE AND DODGE.

I.¹ ETHICS. A course of lectures and recitations on theoretical and practical ethics. The course is introduced with a brief historical survey of ethical theory, and the lectures are supplemented by theses and collateral reading. Seth's Study of Ethical Principles is used as a text-book. *Wed., Fri., at 10 (first half-year).* 15 F. H. PROFESSOR DODGE. (III.)

Course I. is required of Seniors.

II.² EVIDENCES OF CHRISTIANITY. Recitations and lectures, Fisher's Grounds of Theistic and Christian Belief being used as a text-book. *Wed., Fri., at 10 (second half-year).* 15 F. H. PRESIDENT RAYMOND. (III.)

III.² THE ENGLISH BIBLE. This course gives a somewhat comprehensive view of the writings of the Apostle Paul. Special attention is given to the relation of Paul's thought to his time, to the historic conditions under which his writings originated, to the growth of his thought, with special emphasis upon his own experience as the

determining factor in all his interpretations of Christianity. *Twice a week (second half-year), the hours to be determined hereafter.* PRESIDENT RAYMOND.

Either Course II. or Course III. is required of Seniors. Both courses may be taken by Seniors.

*IV.² THEISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year), the hours to be determined hereafter.* PRESIDENT RAYMOND.

Course IV. is elective, with the permission of the instructor, for those who have taken Courses I., II., V., and VII. in philosophy.

V.² RELATIONS OF SCIENCE AND RELIGION. Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the correlation of physical and vital forces, and the theory of evolution, are among the topics discussed. Rice's Christian Faith in an Age of Science is used as a text-book. *Tu., Th., at 10 (second half-year).* PROFESSOR RICE. (IX.)

Course V. is elective for Juniors.

MATHEMATICS AND ASTRONOMY.

PROFESSOR VAN VLECK (*Emeritus*); ASSOCIATE PROFESSOR
MCKINNEY; MR. CAMP.

I. PLANE TRIGONOMETRY, ANALYTIC GEOMETRY, SOLID GEOMETRY. SECTION 1, *Mon., Tu., Th., Fri., at 9*; SECTION 2, *Mon., Tu., Th., Fri., at 10*; SECTION 3, *Mon., Tu., Th., Fri., at 12.* 25 and 26 O. H. PROFESSOR MCKINNEY and MR. CAMP. (V.)

Course I. is required of Classical Freshmen, and of Latin-Scientific and Scientific Freshmen who did not receive credit in the advanced requirements in mathematics on admission to college.

[II. ALGEBRA. Advanced course. *Twice a week.*]

Course II. is elective for those who have taken Course I. It is omitted the present year.

III. TRIGONOMETRY. Second course, with applications to problems in surveying and astronomy. Field work during the first term. *Mon., Wed., at 11.* 26 O. H. PROFESSOR MCKINNEY. (IV.)

Course III. is elective for those who have taken Course I.

IV.¹ ANALYTIC GEOMETRY. Advanced course, preceded by an introduction to the theory of determinants. *Mon., Wed., Fri., at 8 (first half-year).* 25 O. H. MR. CAMP. (I.)

Course IV. is elective for those who have taken Course I.

V. DIFFERENTIAL AND INTEGRAL CALCULUS. Elementary course. *Tu., Th., Fri., at 12.* 26 O. H. PROFESSOR MCKINNEY. (XI.)

Course V. is elective for those who have taken Course I.

Courses II., IV., and V. are necessary for those who intend to pursue advanced courses in pure mathematics; Course V. for those intending to pursue advanced courses in physics and other branches of applied mathematics.

[VI. DIFFERENTIAL EQUATIONS. Based on Cohen's Treatise on Differential Equations. *Twice a week.*]

Course VI. is elective for those who have taken Course V. It is omitted the present year.

VII.² THEORY OF EQUATIONS, following the treatise of Burnside and Panton. *Mon., Wed., Fri., at 8 (second half-year).* 25 O. H. MR. CAMP. (I.)

Course VII. is elective for those who have taken Course I.

It is suggested that Courses IV. and VII. be taken together.

VIII. CALCULUS. Second course. Definite integrals, Fourier's series, with special reference to applications in physics. *Tu., Th., at 11.* 25 O. H. PROFESSOR MCKINNEY. (X.)

Course VIII. is elective for those who have taken Course V.

[IX. ANALYTIC GEOMETRY OF THREE DIMENSIONS, including especially a study of mathematical models. *Twice a week.*]

Course IX. is elective for those who have taken Course IV., and who have taken, or are taking, Course V. It is omitted the present year.

[X. THEORY OF FUNCTIONS. Elementary course. *Twice a week.*]

Course X. is elective for those who have taken Courses II. and V. It is omitted the present year.

[XI. ELLIPTIC FUNCTIONS. Elementary course. *Twice a week.*
PROFESSOR MCKINNEY.]

Course XI. is elective for those who have taken Courses V. and X.
It is omitted the present year.

XII. MECHANICS. STATICS: including a discussion of the simpler machines, stresses in frames, etc. DYNAMICS: including the theory of projectiles, motion about a center of force, circular and conical pendulums, determination of moments of inertia and of radii of gyration, etc. *Tu., Th., at 10.* 25 O. H. MR. CAMP. (IX.)

Course XII. is elective for those who have taken Course V.

XIII. DESCRIPTIVE ASTRONOMY. This course is designed to give a general knowledge of the fundamental facts and principles of astronomy, such a knowledge as may properly constitute a part of a general liberal education. Text-books, supplemented by lectures; observatory work with reports. *Tu., Th., at 8.* 26 O. H. PROFESSOR MCKINNEY. (VII.)

Course XIII. is elective for those who have taken Course I.

[XIV. SPHERICAL AND PRACTICAL ASTRONOMY, with exercises in the observatory. *Twice a week.*]

Course XIV. is elective for those who have taken Course V. It is omitted the present year.

PHYSICS.

PROFESSORS CRAWFORD AND CADY.

I. ELEMENTARY PHYSICS. A general course, covering the most fundamental laws, and presenting typical phenomena, in the various departments of physics, conducted chiefly by lectures, with references to some standard text-book. *Mon., Fri., at 10 (first half-year).* *Mon., Wed., Fri., at 10 (second half-year).* 34 S. L. PROFESSORS CRAWFORD and CADY. (III.)

Course I. is required of Classical Sophomores, and of Latin-Scientific Sophomores and Scientific Freshmen who did not receive credit in physics on admission to college.

II. ELECTRICITY AND MAGNETISM. Text-book and lectures, together with some experimental work in the laboratory. *Tu., Th., at 11.* 34 S. L. PROFESSOR CADY. (X.)

Course II. is elective for those who have taken, or are taking, Course I.

III. PRACTICAL PHYSICS. An elementary laboratory course covering the various departments of physics. This course is required as introductory to all further laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSORS CRAWFORD AND CADY.

Course III. is elective for those who have taken, or are taking, Course I.

IV.¹ SOUND. Poynting and Thomson's Text-book on Sound, with supplementary lectures and laboratory practice. *Mon., Wed., at 12; Th., 2-4, (first half-year).* S. L. PROFESSOR CRAWFORD. (V.)

Course IV. is elective for those who have taken Course I. in physics and Course I. in mathematics.

V.² LIGHT. Text-book and lectures, with laboratory practice. *Mon., Wed., at 12, and a laboratory period to be determined hereafter (second half-year).* S. L. PROFESSOR CRAWFORD. (V.)

Course V. is elective for those who have taken Course I. in physics, and who have taken, or are taking, Course V. in mathematics.

[VI.¹ HEAT. Chapters from Poynting and Thomson's Text-book on Heat with supplementary lectures and laboratory practice. *Three times a week (first half-year).* PROFESSOR CRAWFORD.]

Course VI. is elective for those who have taken Course I. in physics and Course I. in mathematics. It is omitted the present year.

[VII.² THERMO-DYNAMICS. A course of lectures, with special application to the steam engine. *Three times a week (second half-year).* PROFESSOR CRAWFORD.]

Course VII. is elective for those who have taken Course I. in physics, and who have taken, or are taking, Course V. in mathematics. It is omitted the present year.

VIII. APPLICATIONS OF ELECTRICITY. Text-book and lectures. First half-year: direct-current dynamos and motors, electric lighting, storage batteries, the telephone, telegraph, etc. Second half-year:

theory of alternating currents, with a study of the chief types of alternating-current machinery. *Mon., Wed., Fri., at 11.* 34 S. L. PROFESSOR CADY. (IV.)

Course VIII. is elective for those who have taken Course II. in physics, and who have taken, or are taking, Course V. in mathematics.

IX. THEORETICAL ELECTRICITY. This course is based on J. J. Thomson's Mathematical Theory of Electricity and Magnetism. *Wed., Fri., at 9.* S. L. PROFESSOR CADY. (II.)

Course IX. is elective for those who have taken Course II. in physics, and who have taken, or are taking, Course V. in mathematics. .

X. ERRORS OF OBSERVATION AND THE METHOD OF LEAST SQUARES, as applied in the solution of physical problems. *Once a week.* S. L. PROFESSOR CADY.

Course X. is elective for those who have taken Course II. in physics and Course V. in mathematics.

XI. PRACTICAL PHYSICS. Careful measurements in mechanics, heat, sound, and light. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CRAWFORD.

Course XI. is elective for those who have taken Course III.

XII. EXPERIMENTAL ELECTRICITY. Measurements and tests in electricity and magnetism. Opportunity is afforded for some shop-work and for practical experience in running an engine and dynamo. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XII. is elective for those who have taken Courses II. and III., and who have taken, or are taking, Course VIII.

XIII. ADVANCED EXPERIMENTAL ELECTRICITY. Precise electrical measurements, experimental study of direct-current and alternating-current machinery, and other selected problems in electricity and magnetism. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XIII. is elective for those who have taken Course XII.

XIV. JOURNAL MEETING. The instructors of the department meet the more advanced students for the discussion of articles from the current journals of general physics and electricity. *Once a week, by appointment with the instructors.* 40 S. L. PROFESSORS CRAWFORD and CADY.

Course XIV. is elective for those who have taken at least four courses in physics. With the consent of the instructors, students who are eligible to this course may, without electing the course, attend the journal meetings and count the time thus spent toward any one of Courses XI., XII., or XIII.

CHEMISTRY.

PROFESSOR BRADLEY; DR. RENSHAW; MR. HALE.

I.¹ ELEMENTARY CHEMISTRY. This course is devoted to the elementary principles of the science. Each student performs a considerable number of experiments in the laboratory. *Tu., Wed., Th., at 10 (first half-year).* 3 J. H. PROFESSOR BRADLEY. (IX.)

Course I. is required of Classical Sophomores, and of Latin-Scientific Sophomores and Scientific Freshmen who did not receive credit in chemistry on admission to college.

II.² GENERAL CHEMISTRY. Lectures and recitations on general chemistry, with special reference to the chemistry of the metals. It is supplementary to Course I. *Tu., Th., at 10 (second half-year).* 3 J. H. MR. HALE. (IX.)

Course II. is elective for those who have taken Course I.

III. QUALITATIVE ANALYSIS. A laboratory course in basic, acid, and blow-pipe analysis. Lectures are given on the chemical problems involved in the detection of the more common metals and acids. The lectures occur on Mondays at 2, and attendance is required. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (three exercises a week).* CHEM. LAB. MR. HALE.

Course III. is elective for those who have taken Courses I. and II.

IV. PRINCIPLES OF GENERAL AND ANALYTICAL CHEMISTRY. A laboratory course, involving a quantitative demonstration of the fundamental laws of chemistry and a study of the preparation and

properties of typical inorganic compounds. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (three exercises a week)*. CHEM. LAB. MR. HALE.

Course IV. is elective for those who have taken Courses I. and II.

V.² LIQUEFACTION OF GASES. Lectures, with experimental demonstrations, upon the history and theory of the liquefaction of gases, and upon some of the more important results of research at low temperatures. *Tu., Th., at 8 (second half-year)*. 3 J. H. PROFESSOR BRADLEY. (VII.)

Course V. is elective for those who have taken Course I.

*VI. QUANTITATIVE ANALYSIS. Laboratory work in gravimetric and volumetric analysis with lectures and class discussions. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (three exercises a week)*. CHEM. LAB. MR. HALE.

Course VI. is elective, with the permission of the instructor, for those who have taken Course II. and either Course III. or Course IV.

VII. ORGANIC CHEMISTRY. Lectures and recitations. The principles of organic chemistry as illustrated by the derivatives of methane and benzene. *Mon., Wed., Fri., at 8*. 3 J. H. DR. RENSHAW. (I.)

Course VII. is elective for those who have taken either Course III. or Course IV.

VIII.¹ PHYSIOLOGICAL CHEMISTRY. Lectures on physiological chemistry with special reference to the chemistry of the food and nutrition of man. *Tu., Th., at 11 (first half-year)*. 3 J. H. DR. RENSHAW. (X.)

Course VIII. is elective for those who have taken Course II. It is desirable that those who elect it should also elect Course VII.

*IX. ORGANIC CHEMISTRY. A laboratory course devoted to the preparation of compounds of carbon, and to a study of typical reactions of organic chemistry. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week)*. CHEM. LAB. DR. RENSHAW.

Course IX. is elective, with the permission of the instructor, for those who have taken, or are taking, Course VII.

*X. PHYSIOLOGICAL CHEMISTRY. A laboratory course in the preparation of compounds and in methods of analysis of interest in physiological chemistry. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Wed., Fri., at 2 (two exercises a week).* CHEM. LAB. DR. RENSHAW.

Course X. is elective, with the permission of the instructor, for those who have taken, or are taking, Course VIII.

Courses VIII. and X. are recommended to those who intend to study medicine.

XI.² INDUSTRIAL CHEMISTRY. Lectures and collateral reading. The applications of chemistry, and particularly of organic chemistry, to typical modern industries. *Twice a week, the hours to be determined hereafter (second half year).* 3 J. H. DR. RENSHAW.

Course XI. is elective for those who have taken, or are taking, Course VII.

XII. THEORETICAL CHEMISTRY. Lectures upon the origin, development, and present status of the theory of the atom and molecule. *Mon., Fri., at 9.* 1 J. H. PROFESSOR BRADLEY. (II.)

Course XII. is elective for those who have taken either Course III. or Course IV.

*XIII. CHEMICAL SEMINARY. Readings in current chemical literature, with reports and discussions upon assigned topics. *Three times a week, at convenient hours.* 1 J. H. PROFESSOR BRADLEY.

Course XIII. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VII. and VIII.

GRADUATE INSTRUCTION.

Course XIII., although elective for undergraduates, is designed chiefly for graduates.

In addition, the following course is offered:

XIV. LOW TEMPERATURE INVESTIGATION. Inquiry into special problems connected with the attainment and utilization of extreme low temperatures. Facilities for this work are afforded by the liquid air plant. PROFESSOR BRADLEY.

Course XIV. may also be taken by undergraduates who are candidates for special honors in chemistry at graduation.

GEOLOGY.

PROFESSOR RICE; MR. BOWMAN.

I.² PHYSICAL GEOGRAPHY. Recitations and lectures, with Tarr's Elementary Physical Geography as a text-book. SECTION I., *Tu., Th., at 2*; SECTION II., *Tu., Th., at 3 (second half-year)*. 8 J. H. MR. BOWMAN. (XII.)

Course I. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen who did not receive credit in physical geography on admission to college.

II. GEOLOGY. Elementary course. A course of lectures, chiefly on dynamical and structural geology. Dana's Revised Text-book of Geology is recommended for reference. *Tu., Th., at 12*. 8 J. H. PROFESSOR RICE. (XI.)

Course II. is elective for Classical and Latin-Scientific Juniors, and is required of Scientific Sophomores.

III.¹ GEOLOGY. Advanced course in structural and dynamical geology. Recitations and lectures, with Le Conte's Elements of Geology, and Dana's Revised Text-book of Geology, as text-books. Special topics, with references, assigned from time to time, on which members of the class present reports or lectures. Excursions on Saturdays during the fall. The phenomena observed in an excursion are discussed at the next meeting of the class, one of the members of the class often giving a report or lecture thereon. *Mon., Wed., Fri., at 12 (first half-year), counting as four hours a week*. 8 J. H. PROFESSOR RICE. (V.)

Course III. is elective for those who have taken Course II. It is desirable, however, that those who take this course should also have taken the course in physical geography.

IV.² GEOLOGY. Historical geology and paleontology. Recitations and lectures, with same text-books as in Course III. Excursions on Saturdays during the spring term (required only of those who take also Course III.). *Mon., Wed., Fri., at 12 (second half-year), counting as four hours a week for those who take also Course III.* 8 J. H. PROFESSOR RICE. (V.)

Course IV. is elective for those who have taken Course II. It is very desirable, however, that those who take this course should also have taken the courses in zoölogy and botany.

[V.¹ MINERALOGY. Crystallography and optical mineralogy. Lectures and practical exercises. Dana's Text-book of Mineralogy is used for reference. *Three times a week (first half-year)*. PROFESSOR RICE.]

Course V. is elective for Classical and Latin-Scientific Juniors and Scientific Sophomores. It is omitted the present year.

[VI.² MINERALOGY. Determinative and descriptive mineralogy. Laboratory work in determinative mineralogy, lectures on descriptive mineralogy. Brush and Penfield's Manual of Determinative Mineralogy, and Dana's Text-book of Mineralogy, are used for reference. *Three times a week (second half-year)*. PROFESSOR RICE.]

Course VI. is elective for those who have taken Course V. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses III., IV., V., and VI., although intended primarily for undergraduates, have often been taken by graduate students.

Additional work is provided for graduate students. This may include courses of reading in various branches of geological science, field work, or laboratory work.

BIOLOGY.

PROFESSOR CONN; MR. BUDINGTON.

I.¹ GENERAL BIOLOGY. This course is devoted to the study of the simpler laws of life, and the relations of animals and plants. Practical study is made of the earthworm, the frog, and some common plants, which are used as illustrating the general structure and physiology of animals and plants. This course is largely laboratory work and is designed as an introduction to the study of botany, zoölogy, and physiology. SECTION I., *Mon., Wed., 2-4*; SECTION II., *Mon., Fri., 2-4 (first half-year), counting as one hour for the year*. S. J. H. PROFESSOR CONN and MR. BUDINGTON. (VI.)

Courses I. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen.

II.² BOTANY. This course is a continuation of Course I., and consists of lectures and recitations, and a large amount of practical work. It includes the study of physiological, morphological, structural,

and microscopic botany. The course is chiefly devoted to the study of cryptogams, but this is followed by a short study of phenogams. The last four weeks are devoted to the analysis and description of flowers. SECTION I., *Mon., Wed., 2-4*; SECTION II., *Mon., Fri., 2-4* (second half-year), counting as one hour for the year. 8 J. H. PROFESSOR CONN and MR. BUDINGTON. (VI.)

Course II. is elective for Classical Sophomores, and is required of Latin-Scientific and Scientific Freshmen who did not receive credit in botany on admission to college.

III. ZOOLOGY. Lectures and recitations. Hertwig's Manual of Zoölogy. Typical examples, illustrating the various groups of the animal kingdom, are studied, attention being given to the general laws of development and the interrelationships of groups rather than to the systematic classification of species. The course includes the embryology of the various forms studied, as well as their adult anatomy, and in some groups paleontological evidence and general biological problems are discussed. *Mon., Wed., Fri., at 9.* 8 J. H. MR. BUDINGTON. (II.)

Course III. is elective for Classical Juniors and for Latin-Scientific and Scientific Sophomores.

IV. PHYSIOLOGY. The instruction is given chiefly by lectures, Martin's Human Body being used as a text-book. Enough anatomy is given to render the physiological discussions intelligible, and enough hygiene to guide to an intelligent care of the body. *Mon., Wed., at 8.* 8 J. H. PROFESSOR CONN. (I.)

Course IV. is elective for Classical and Latin-Scientific Juniors, and is required of Scientific Sophomores.

*V. PRACTICAL BIOLOGY. The design of the courses in practical biology is to furnish opportunity for special biological work along such lines as may be best adapted to the future plans of the student. Those intending to study medicine devote their attention largely to the study of animals, including the dissection of some mammal. Those desiring a more general course make a brief examination of various groups of the animal and vegetable kingdom.

Those electing the study for more than one year, spend the first year in the study of biology in general, making a careful study of illustrative types of the different groups of the animal and vegetable

kingdoms, such as amœba, infusoria, hydra, earthworm, bacteria, yeast, mold, lichen, moss, flowering plant, etc. The laboratory work is planned to illustrate, as far as possible, the principles of biology, comparative anatomy, and embryology. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week)*. BIOL. LAB. PROFESSOR CONN and MR. BUDINGTON.

Course V. is elective, with the permission of the instructor, for Sophomores.

VI. PRACTICAL BIOLOGY. The second year in practical biology is devoted to the study of histology, bacteriology, embryology, and mammalian anatomy. During the second half-year each student may pursue some special work assigned by the instructor. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week)*. BIOL. LAB. PROFESSOR CONN and MR. BUDINGTON.

Course VI. is elective for those who have taken Course V.

VII. PRACTICAL BIOLOGY. A course in laboratory work in continuation of Course VI. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week)*. BIOL. LAB. PROFESSOR CONN.

Course VII. is elective for those who have taken Course VI.

Courses V.-VII. are accompanied by lectures and recitations and Course VII. includes a seminary for students taking bacteriology. The outline of the courses is somewhat variable and is determined according to the purposes and needs of each student.

[VIII. EVOLUTION. A course of lectures and recitations, giving an outline of the general theory of evolution. Conn's *The Method of Evolution* is used as a text-book. *Twice a week*. PROFESSOR CONN.]

Course VIII. is elective for Juniors.

IX.¹ BACTERIOLOGY. Conn's *Agricultural Bacteriology* is used as a text-book, and is supplemented by lectures on pathological bacteriology, special attention being given to sanitary problems. *Tu., Th., at 8 (first half-year)*. PROFESSOR CONN. (VII.)

Course IX. is elective for Juniors. Courses VIII. and IX. are given in alternate years, Course VIII. being omitted the present year.

DAILY PROGRAM.



The order of lectures and recitations is set forth in the table given on pages 72 and 73. Roman numerals preceding the names of certain studies refer to the numbers of the courses as enumerated in the foregoing statement of courses of instruction. Arabic numerals, following the names of certain studies, indicate the sections into which the classes are divided.



DAILY PROGRAM, 1907-1908.

Hour	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
8	VI. Greek. I. German, 1. I. French, 1. Italian. V. History. IV. Mathematics (1st half). VII. Mathematics (2d half). VII. Chemistry. Physiology.	VIII. German (2d half). X. German (1st half). I. English Language, 1. I. History. Logic, 1 (2d half). VIII. Mathematics. XIII. Chemistry (2d half). V. Bacteriology (1st half).	VI. Greek. I. German, 1. I. French, 1. Italian. VIII. English Language. V. History. IV. Mathematics (1st half). VII. Mathematics (2d half). VII. Chemistry. Physiology.	VIII. German (2d half). X. German (1st half). I. History. Logic, 1 (2d half). XIII. Mathematics. V. Chemistry (2d half). Bacteriology (1st half).	VI. Greek. I. German, 1. I. French, 1. Dante in English. V. History. IV. Mathematics (1st half). VII. Mathematics (2d half). VII. Chemistry.
9.	I. Latin, 1. XII. Latin (1st half). XIV. Latin (2d half). II. English Literature. I. Mathematics, 1. XII. Chemistry. Zoology.	II. Latin (1st half). XII. Latin (2d half). V. French. I. English Language, 2. I. Economics. I. Mathematics, 1.	I. Latin, 1. XII. Latin (1st half). XIV. Latin (2d half). Spanish. II. English Literature. I. English Language, 3. IX. Physics. Zoology.	I. Latin, 1. II. Latin (1st half). III. Latin (2d half). VI. French. I. Economics. I. Mathematics, 1.	I. Latin, 1. Spanish. II. English Literature. I. Mathematics, 1. IX. Physics. XII. Chemistry. Zoology.
10.	Debate. Psychology (1st half). IX. Philosophy. I. Mathematics, 2. I. Physics.	I. Greek. Logic, 2 (2d half). Science and Relig. (2d half). I. Mathematics, 2. XII. Mathematics. I. Chemistry (1st half). II. Chemistry (2d half).	I. Greek. Psychology (1st half). V. Philosophy (2d half). Ethics (1st half). Evidences (2d half). I. Physics (2d half). I. Chemistry (1st half).	XIX. Latin. I. Greek. VIII. English Language. Logic, 2 (2d half). Science and Relig. (2d half). I. Mathematics, 2. XII. Mathematics. I. Chemistry (1st half). II. Chemistry (2d half).	I. Greek. Psychology (1st half). V. Philosophy (2d half). Ethics (1st half). Evidences (2d half). I. Mathematics, 2. I. Physics.
11.	I. Latin, 2. II. German. II. French. VII. English Literature.	VII. Latin. II. Greek. IV. French.	I. Latin, 2. II. German. VI. German (1st half). II. French. VII. English Literature.	I. Latin, 2. VII. Latin. II. Greek. IV. French. VII. Economics.	I. Latin, 2. IV. Greek. II. German.

DAILY PROGRAM, 1907-1908.—(Continued.)

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.
11. Con.	III. Economics. IV. Philosophy (1st half). VI. Philosophy (2d half). III. Mathematics. VIII. Physics.	VII. Economics. VIII. Mathematics. VI. Physics. VIII. Chemistry (1st half).	III. Economics. IV. Philosophy (1st half). VI. Philosophy (2d half). III. Mathematics. VIII. Physics.	VIII. Mathematics. II. Physics. VIII. Chemistry (1st half).	VI. German (1st half). II. French. VIII. English Literature. VIII. Physics.
12.	I. Latin, 3. V. German, 2. III. English Literature. IV. English Language. I. Economics. V. Mathematics, 3. II. Physics (1st half). V. Physics (2d half). III. Geology (1st half). IV. Geology (2d half).	V. Latin. VII. German (2d half). III. English Language. IV. Economics. I. Mathematics, 3. II. Geology.	I. Latin, 3. V. Latin. VII. German, 2. III. English Language. IV. Economics. I. Mathematics, 3. II. Geology.	I. Latin, 3. V. Latin. VII. German (2d half). III. English Language. IV. Economics. I. Mathematics, 3. II. Geology.	I. Latin, 3. V. Latin. I. German, 2. IV. English Language. II. History. V. Mathematics, 3. III. Geology (1st half). IV. Geology (2d half).
2.	III. French. III. IV, VI, IX., X. Chem- istry. General Biology (1st half). Botany (2d half).	X. Greek (1st half). XI. Greek (2d half). III. German. III., XI., XII., XIII. Phys- ics. Physical Geog., 1 (2d half). V., VI., VII. Biology.	III. French. III., XI., XII., XIII. Phys- ics. III., IV, VI, IX., X. Chem- istry. General Biology, 1 (1st half). Botany, 1 (2d half). V., VI., VII. Biology.	X. Greek (1st half). XI. Greek (2d half). X. Philosophy. III., IV, XI., XII., XIII. Physics. Physical Geog., 1 (2d half). V., VI., VII. Biology.	III., IV, VI, IX., X. Chem- istry. General Biology, 2 (1st half). Botany, 2 (2d half).
3.	I. French, 2. III. Philosophy. III., IV, VI, IX., X. Chem- istry. General Biology (1st half). Botany (2d half).	IV. Latin. VII. Greek. VII. Philosophy (1st half). VIII. Philosophy (2d half). III., XI., XII., XIII. Phys- ics. Physical Geog., 2 (2d half). V., VI., VII. Biology.	I. French, 2. III. Philosophy. III., XI., XII., XIII. Phys- ics. III., IV, VI, IX., X. Chem- istry. General Biology, 1 (1st half). Botany, 1 (2d half). V., VI., VII. Biology.	VII. Greek. VII. Philosophy (1st half). VIII. Philosophy (2d half). X. Philosophy. III., IV, XI., XII., XIII. Physics. Physical Geog., 2 (2d half). V., VI., VII. Biology.	I. French, 2. III., IV, VI, IX., X. Chem- istry. General Biology, 2 (1st half). Botany, 2 (2d half).

EXAMINATION GROUPS.

No student is allowed to take more than one course in any of these groups, with the exception of those (bracketed together) which are not given in the same half-year. The following courses are not assigned to any group, and they may be elected without limitation: IV. Latin; X., XI., XIII. Greek; III. German; III. French; Debate; VIII. English Language; Public Speaking; I. A., VI. History; VIII. Economics; X., XI., XII. Philosophy; English Bible, Theism; III., X., XI., XII., XIII., XIV. Physics; III., IV., VI., IX., X., XI., XIII. Chemistry; V., VI., VII. Biology.

I.—*M., W., F., at 8.*

VI. Greek.

I. German.

Italian, *M., W.**Dante in English, *F.*

V. History.

{ IV. Mathematics.

{ VII. Mathematics.

VII. Chemistry.

Physiology, *M., W.*II.—*M., W., F., at 9.*I. Latin, *also Th.*{ XII. Latin, *M., W.*{ XIV. Latin, *M., W.*Spanish, *W., F.*

II. English Literature.

IX. Physics, *W., F.*XII. Chemistry, *M., F.*

Zoölogy.

III.—*M., W., F., at 10.*I. Greek, *T., W., Th., F.*

{ Psychology.

{ V. Philosophy, *W., F.*§ IX. Philosophy, *M.*{ Ethics, *W., F.*{ Evidences, *W., F.*

I. Physics.

IV.—*M., W., F., at 11.*IV. Greek, *F.*

II. German.

VI. German, *W., F.*

II. French.

VII. English Literature, *M.,**W.*† VIII. English Literature, *F.*

III. Economics.

{ IV. Philosophy, *M., W.*{ VI. Philosophy, *M., W.*III. Mathematics, *M., W.*

VIII. Physics.

* May be elected with Italian.

§ May be elected with V. Philosophy.

† May be elected with VII. English Literature.

V.—*M., W., F., at 12.*

XI. Latin, *W., F.*

V. German.

I. English Literature, *M., W.*

VI. English Language, *M., W.*

II. History.

I. Mathematics, *M., T., Th., F.*

{ IV. Physics, *M., W.*

{ V. Physics, *M., W.*

{ III. Geology.

{ IV. Geology.

VI.—*M., W., F., at 3.*

I. French.

III. Philosophy, *M., W.*

{ General Biology.

{ Botany.

VII.—*T., Th., at 8.*

{ VIII. German.

{ X. German.

I. History.

Astronomy.

V. Chemistry.

Bacteriology.

VIII.—*T., Th., at 9.*

{ II. Latin.

{ III. Latin.

I. English Language, *T., W.,*
also T., at 8.

*V. French, *T.*

* May be elected with VI. French.

VI. French, *Th.*

I. Economics.

IX.—*T., Th., at 10.*

XIX. Latin, *Th.*

Logic.

Science and Religion.

XII. Mathematics.

{ I. Chemistry, *also W.*

{ II. Chemistry.

X.—*T., Th., at 11.*

VII. Latin.

II. Greek.

IV. French.

VII. Economics.

VIII. Mathematics.

II. Physics.

VIII. Chemistry.

XI.—*T., Th., at 12.*

V. Latin.

VII. German.

III. English Language.

IV. English Language, *also F.*

IV. Economics.

V. Mathematics, *also F.*

II. Geology.

XII.—*T., Th., at 3.*

VII. Greek.

{ VII. Philosophy.

{ VIII. Philosophy.

Physical Geography.

SELECTION OF STUDIES.

The studies which are required of students in the respective classes and courses are indicated below. In addition to these, each student of the three upper classes is required to elect such a number of studies that his *average* number of recitations and lectures a week for the year, exclusive of rhetorical exercises, shall be not less than 14 nor more than 17. The minimum requirement for Freshmen is 15 recitations and lectures a week for the year, the maximum is 17. Elections must be made in accordance with the restrictions specified in the description of the respective courses in the foregoing statement of the courses of instruction. *No student is allowed to take more than one course in any examination group (see pages 74, 75), with the exception of those which are not given in the same half-year.*

SCHEDULE OF REQUIRED COURSES.

N. B.—The numbers in italics indicate the average number of hours a week for the year

CLASSICAL COURSE.

FRESHMEN:—I. Latin, 4; I. Greek, 4; I. Mathematics, 4; I. English Language, 2; I. German, or I. French, 3.

SOPHOMORES:—Logic, 1; I. Physics, 2½; I. Chemistry, 1½.

JUNIORS:—Psychology, 1½; I. Economics, 2. (I. Economics may be postponed to the Senior year, or may be taken, with the permission of the instructor, in the Sophomore year.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

LATIN-SCIENTIFIC COURSE.

FRESHMEN:—I. Latin, 4; I. Mathematics, 4; I. English Language, 2; Physical Geography, General Biology, and Botany, 3; I. or II. French, or I. or II. German, 3. (See page 47.)

SOPHOMORES:—Logic, 1; I. Physics, 2½; I. Chemistry, 1½.

For such part of the courses in science or modern languages above named as students may have passed in at entrance, they are allowed to substitute enough elective work to fill out the required quota of exercises a week.

JUNIORS:—Psychology, 1½; I. Economics, 2. (See requirements for classical course.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

SCIENTIFIC COURSE.

FRESHMEN:—Not less than fifteen hours a week of the following courses: I. Mathematics, 4; I. English Language, 2; I. German, 3, and II. French, 3, or II. German, 3, and I. French, 3 (see page 47); I. Physics, 2½; I. Chemistry, 1½; Physical Geography, General Biology, and Botany, 3.

For such of these studies as students may have passed in at entrance, they are allowed to substitute elective work.

SOPHOMORES:—II. German, 3, or II. French, 3 (see page 47); Logic, 1; Geology, 2; Physiology, 2.

JUNIORS:—Psychology, 1½; I. Economics, 2. (See requirements for classical course.)

SENIORS:—Ethics, 1; Evidences of Christianity, 1.

In addition to the courses indicated in the foregoing statement, exercises in English composition are required of Freshmen, Sophomores, and Juniors, and exercises either in English composition or in public speaking of Seniors. (See pages 49 and 50.)

COURSES OF STUDY.

To go into effect 1908-1909.



I. Requirements for admission:

Mathematics—Algebra (see page 29).

Plane Geometry (see page 29).

English (see page 29).

History—For B. A. degree, Ancient History and Geography (see page 29).

For B. S. degree, History of England and of the United States (see page 32).

From the following enough to make up eight additional points:

	Points.
Latin, two years, Grammar and Caesar, - - - 2 (see page 28)	
third year, Cicero, - - - - 1 (" 28)	
fourth year, Vergil's Aeneid and Ovid (or	
Vergil's Eclogues), - - - - 1 (" 28)	
Greek, two years, Grammar and Xenophon, - 2 (" 28)	
third year, Homer, - - - - 1 (" 28)	
Elementary French (2 years), - - - - 2 (" 31)	
Advanced French (1 year), - - - - 1 (" 31)	
Elementary German (2 years), - - - - 2 (" 31)	
Advanced German (1 year), - - - - 1 (" 31)	
Mathematics, Solid Geometry and Trigonometry, 1 (" 31)	
Physical Geography and Botany, - - - - 1 (" 32)	
Physics (Theoretical and Practical), - - - - 1 (" 32)	
Chemistry (Theoretical and Practical), - - - 1 (" 32)	
Ancient History and Geography, - - - - 1 (" 29)	
History of England and of the United States, - 1 (" 32)	

Of these optional subjects, candidates for the Bachelor of Arts degree must present either four years of Latin or three years of Greek, and, unless both are offered, one elementary modern language. Candidates for the Bachelor of Science degree must offer one elementary modern language and two courses in science.

II. Requirements for graduation:

FRESHMAN YEAR.

A. FOR CANDIDATES FOR THE B. A. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including English, which will be required of all. The choice must include one three-hour course of Latin or Greek, and one three hour course from the following: Latin, Greek, Mathematics, a modern language.

	Hours per week.
English, - - - - -	2
Latin, - - - - -	3
Greek, - - - - -	3
Mathematics, - - - - -	3
Elementary French or German, - - - - -	3
Advanced French or German, - - - - -	3
History, - - - - -	3
Physics, - - - - -	1½ or 3
Chemistry, - - - - -	1½ or 3
Physical Geography, General Biology, and Botany, - - - - -	3
Latin (extra course), - - - - -	1
Greek (extra course), - - - - -	1

B. FOR CANDIDATES FOR THE B. S. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week of the following courses, including English, which will be required of all. Of the following courses, such as are not presented for admission must be passed in college:

I. Mathematics (Either Solid Geometry and Trigonometry or Trigonometry and Analytic Geometry).

Elementary and Advanced French (I. French and II. French).

Elementary and Advanced German (I. German and II. German).

	Hours per week.
English, - - - - -	2
Mathematics, - - - - -	3
Elementary French or German, - - - - -	3
Advanced French or German, - - - - -	3
Physics, - - - - -	1½ or 3
Chemistry, - - - - -	1½ or 3

	Hours per week:
Physical Geography, General Biology, and Botany, -	3
History, - - - - -	3

SOPHOMORE, JUNIOR AND SENIOR YEARS.

A student must elect in Sophomore and Junior years not less than *fifteen* nor more than *eighteen* hours per week of study, in Senior year not less than *thirteen* nor more than *eighteen* hours per week of study, inclusive of rhetorical exercises, which will be rated as the equivalent of one hour per week each year. The requirement for graduation will be *sixty* hours of work, inclusive of rhetorical exercises. After the Freshman year there will be no required studies, except rhetorical exercises; but the election of studies must conform to the following requirements:

A. GROUP SYSTEM.

The departments of study will be arranged in the following groups:

Group I.	Group II.	Group III.
Latin,	Mathematics and	Economics and Social
Greek,	Astronomy,	Science,
German,	Chemistry,	History,
Romance Languages,	Physics,	Philosophy,
English.	Geology,	Ethics and Religion.
	Biology.	

A student's courses, including those of the Freshman year, must include at least *twelve* hours from Group I. and at least *nine* hours from each of Groups II. and III. Courses offered in college, but taken in preparatory school and presented for admission, may be counted in making up this requirement.

B. MAJOR STUDIES.

A student must elect a major study, the requirements for which shall be not less than *nine* nor more than *twelve* hours work in a department, the studies constituting the major to be elected with the approval of the senior instructor in the department in which the major is elected. The major may consist wholly of studies in one department, or partly of studies in cognate departments, so chosen as to make a consistent program. The following courses will not be allowed to count in making up a major:

I. English Language, the rhetorical exercises of the Sophomore, Junior, and Senior years, I. French, I. German, I. Physics, I. Chemistry, Botany, Physical Geography.

DEPARTMENTAL AND OTHER LECTURES, 1906-1907.

In addition to the Courses of Instruction named above, lectures are given each year under the auspices of various departments or of associations connected with the University. Most of these lectures are open to the public. In 1906-07 were given the following:

DEPARTMENTAL LECTURES.

DEPARTMENT OF PHILOSOPHY.—Professor John Edward Russell, Williams College. Subject: "Pragmatism as the Salvation from Philosophic Doubt."

President William Douglas Mackenzie, Hartford Theological Seminary. Subject: "Recent Discussions of the Problem of Immortality."

Professor Edmund Clark Sanford, Clark University. Subject: "The Rôle of the Several Senses in the Mental Life."

DEPARTMENT OF HISTORY.—Professor Henry Augustus Sill, Cornell University. Subject: "Ferdinand Lassalle."

Professor Edwin Walter Kemmerer, Cornell University. Subject: "The United States in the Philippines."

Professor George Hubbard Blakeslee, Clark University. Subject: "Present Political Conditions in Russia."

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The Middletown Scientific Association, founded in 1871, has a membership of about ninety, taken partly from the college and partly from the town. Regular meetings are held on the second Tuesday of every month during the college year, in the lecture room of the John Bell Scott Memorial. During 1906-07 the following addresses were given:

Dr. Alfred Charles True, U. S. Department of Agriculture, Washington, D. C. Subject: "The Educational Work of the United States Department of Agriculture."

Professor Henry Sylvester Jacoby, Cornell University. Subject: "The Relation of Science to Bridge Engineering."

Dr. J. M. Keniston, Connecticut Hospital for the Insane. "Subject: "Epilepsy, and its Treatment."

Mr. James A. Newlands, Connecticut State Board of Health. Subject: "The Contamination of Drinking Water."

Professor William North Rice. Subject: "The Contribution of America to Geology."

Professor Ernest Fox Nichols, Columbia University. Subject: "The Pressure due to Radiation."

Professor Walter Parke Bradley. Subject: "Kerosene."

Professor Raymond Dodge. Subject: "Visual Astigmatism and its Correction."

Mr. Thorne Martin Carpenter. Subject: "The Energy Output during Digestion."

THE CLASSICAL CLUB.

The Classical Club was founded in 1906 by about twenty of the students taking classical courses. Meetings are held every three weeks during the college year. The following addresses were given before the club in 1906-07:

Professor Frank Gardner Moore, Dartmouth College. Subject: "The Range of Latin Studies."

Professor Paul V. C. Baur, Yale University. Subject: "Pre-Roman Antiquities of Spain."

GENERAL REGULATIONS.*

REGISTRATION.

Every student is required to register at the office of the Secretary of the Faculty, and present to the Secretary a list of the studies which he proposes to take, at the beginning of the first term of each year. A fee of two dollars must be paid by each student who fails to register at the appointed day and hour.

QUOTA OF STUDIES.

For students of the three upper classes, the quota of regular studies is not less than fourteen hours nor more than seventeen hours of class-room work a week, exclusive of rhetorical exercises. The quota for Freshmen (see pages 76 and 77) varies from fifteen to seventeen hours of class-room work a week. No student is allowed to take less than fourteen hours nor more than seventeen hours of work a week without special permission from the Administration Committee of the Faculty.

GRADES.

The general character of the work of each student in each study is indicated by his assignment to one of five grades, grade 1 denoting the highest excellence, and grade 5, failure to pass. The Secretary of the Faculty sends to each student, within three weeks after Commencement, a report of his grades in all the studies which he has taken during the year.

* Copies of the detailed Regulations may be obtained from the Secretary of the Faculty.

EXAMINATIONS.

Regular examinations are held at the end of the year, and during a specified period in February. Examinations in Freshman mathematics are held at the end of each term. The allowance of absence from recitations is, in courses running through the year, three times the number of required exercises a week; in courses running through a half year, or through a term, the allowance is proportionately diminished. A student who has taken the allowed number of absences in any course, exclusive of those excused by the President or by the Committee on Athletic and Musical Organizations, must thereafter present an excuse for every absence taken in that course, and in case he have one unexcused absence in addition to the number allowed, he is excluded from examination and must take a special examination later, paying a fee of five dollars. In the application of this rule, absences from the first or the last exercise of a term in any study, or consecutive absences including the first or the last exercise, are each reckoned as two absences. Absences of the same nature before or after the Thanksgiving recess are each reckoned as two absences.

Special written examinations are held during the week commencing with the Tuesday before the beginning of the first term for all who have been absent from any of the examinations of the previous year, or who have failed to pass in the same, except those who have been examined and failed to pass at both the regular examination in the first or second term and the special examination in the third term.

For the benefit of students deficient in second half-year subjects, special written examinations are held during the month of January, at times announced by the Secretary of the Faculty. For these examinations application must be made on or before the first Monday of the second term. A fee of five dollars is charged for each examination.

For the benefit of all students who have been absent from any of the examinations during the preceding part of the year, or who have failed to pass in the same, special written examinations are held during the third term at times announced by the Secretary of the Faculty; provided that application for such examination is made by the candidate on or before the first Monday of that term.

A student who fails to pass a final examination in any study before that study is taken up by the next succeeding class, is required, unless

specially excused therefrom, to recite with that class. If, at the close of the special examinations held at the beginning of the year, a student is deficient by an amount equivalent to six or more hours of work a week for a year, he is ranked with the next lower class, unless specially excused therefrom by the Administration Committee of the Faculty.

ENTRANCE CONDITIONS.

A student who fails to make up entrance conditions on or before the first day of November of the next college year, is excluded from all recitations until the conditions are made up. A fee of five dollars is charged for an examination in entrance conditions after the regular examination for admission at the beginning of the student's second year in college.

PUBLIC WORSHIP.

Devotional services, at which the attendance of students is required, are held in Memorial Chapel every morning.

Church attendance is not required, but students are recommended to become regular attendants at some one of the churches in the city.

Voluntary religious services under the direction of the Young Men's Christian Association are held weekly.

LEAVE OF ABSENCE.

A student who desires excuse from college exercises on account of absence from town must apply to the President for permission to be absent, and, unless the circumstances of the case render it impracticable, such permission must be obtained before the student's departure.

ATHLETIC AND MUSICAL ORGANIZATIONS.

No member of the Senior or Junior class who is deficient in his college work more than two hours a week for a year, and no member of the Sophomore class who is deficient more than three hours a week for a year, is allowed to take part, as a member of a University athletic team, in any athletic contest, except by special permission; and

any student whose college work becomes unsatisfactory at any time during the year may be debarred from taking part in such a contest.

Members of the college musical organizations, who are deficient as specified in the preceding paragraph, are not allowed to appear in public concerts given by those organizations.

No student under censure is allowed to serve, without permission of the Faculty, in any capacity on an athletic organization or on a musical association giving public concerts.

No freshman who has entrance conditions amounting to three points is allowed to represent the college on any athletic or musical organization.

The administration of eligibility rules in athletics, except as regards scholarship, and the approval of schedules of games is in the hands of the Athletic Council, in which the Faculty is represented.

EXPENSES.

The annual charges in the Treasurer's bill are as follows:—

Tuition,	-	-	-	-	-	-	-	-	\$85 00
Incidentals,	-	-	-	-	-	-	-	-	34 00
Use of library and reading-rooms,	-	-	-	-	-	-	-	-	6 00
Total,	-	-	-	-	-	-	-	-	\$125 00

For the laboratory courses in physics, chemistry, and biology, fees are charged, which vary with the nature of the course and with the number of exercises elected per week. The fee for each exercise per week in practical physics, in practical biology, and in III., IV., and X. Chemistry, is five dollars; in VI. Chemistry, eight dollars; and in IX. Chemistry, ten dollars. Students electing the chemical courses named are required to make a deposit of five dollars, which is refunded at the close of the course after charges for breakage have been deducted.

A diploma fee of five dollars is charged to each student at graduation.

A fee of five dollars is required of every candidate for the Master's degree before his course of study can be approved by the Committee on Graduate Instruction.

A diploma fee of ten dollars is charged to each graduate student upon promotion to the Master's degree.

The college bills are payable soon after the beginning of each term. Unless the bill for any term is paid, or payment thereof guaranteed, on the day appointed, the student is liable to exclusion from recitations.

No student can have an honorable dismissal, or certificate of progress in his studies, until his bills are paid or payment thereof guaranteed.

A student who is absent from college on account of sickness, or for other cause, and who retains his place in his class, must pay the full college bills during his absence.

Board may be obtained in private families at prices varying from \$3.75 to \$5.00 a week. The college fraternities maintain clubs which supply board to their members at prices ranging from \$3.00 to \$4.50 a week. The price of board at the college commons is \$2.75 a week.

Women students must reside in Webb Hall unless they live in their own homes in the city. Those residing in Webb Hall are charged at the rate of five dollars and a half a week for board and room-rent. Those residing in the city are charged two dollars a term for the use of the study-room in Webb Hall.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. Instances have been extremely rare in which students of good ability and health have been compelled to leave college for want of money.

DORMITORY ACCOMODATIONS.

The new North College, at the end of College Row, contains one hundred and one rooms that are available for students. Each room is lighted by electricity, heated by steam, and provided with a single bed, mattress, chiffonier and desk for each occupant. The prices indicated below are for rent, heat, and care for the year. An extra charge of about \$7.50 a year for each electric light is also made. A diagram showing the location of rooms, with dimensions, also a price-list giving number of occupants allowed in each room, will be sent upon application to the Secretary of the Faculty.

Twelve rooms are rented in the Foss House, which also contains the college commons. This house, at one time a private residence, has been enlarged to serve its present purpose. It is beautifully

situated on a knoll in the rear of Andrus Field, and offers accommodations at a lower rate than is the case in North College. The prices below are for rent and heat for the year. The rooms are not furnished nor lighted.

Male students are permitted to take lodgings in town, but the places in which they room or board are in all cases subject to the approval of the Faculty. If any of the rooms in the college are thus left vacant, the rent of such rooms may be charged to holders of free scholarships who room in town.

PRICES OF ROOMS FOR ONE OCCUPANT.

- \$52. Foss House, Nos. 6, 7, 8, 9, 11, 14*.
- \$57. Foss House, Nos. 5, 10, 12, 13, 15*.
- \$66. North College, Nos. 4, 8, 15, 16, 23, 24, 41, 42, 50, 51, 64, 65, 73, 74, 91, 92, 98, 99.
- \$76. North College, Nos. 30, 35, 56†.
- \$80. North College, Nos. 7, 46, 69, 80, 85‡.

PRICES OF ROOMS FOR TWO OCCUPANTS.

- \$85. Foss House, No. 18.
- \$91. North College, Nos. 30, 35, 56.
- \$95. North College, Nos. 7, 46, 69, 80, 85.
- \$100. North College, Nos. 3, 9, 29, 36, 59, 79, 86, 95.
- \$124. North College, Nos. 5-6, 31-32, 33-34, 57-58, 81-82, 83-84, 93-94, 96-97 (price per suite of two rooms).
- \$134. North College, Nos. 1-2, 13-14, 25-26, 27-28, 37-38, 39-40, 52-53, 54-55, 60-61, 62-63, 75-76, 77-78, 87-88, 89-90, 100-101 (price per suite of two rooms).
- \$155. North College, Nos. 10-11-12, 17-18-19, 20-21-22, 43-44-45, 47-48-49, 66-67-68, 70-71-72 (price per suite of three rooms)§.

PRICES OF ROOMS FOR THREE OCCUPANTS.

- \$85. Foss House, No. 1.
- \$180. North College, Nos. 10-11-12, 17-18-19, 20-21-22, 43-44-45, 47-48-49, 66-67-68, 70-71-72 (price per suite of three rooms)¶.

* Two persons will also be allowed to occupy these rooms.

† Price \$91, if occupied by two persons.

‡ Price \$95, if occupied by two persons.

§ Three persons will also be allowed to occupy this room.

¶ Price \$180, if occupied by three persons.

THE COMMONS.

In order to reduce the expense of a college course, the college maintains a commons, where board may be obtained at a low rate. The dining hall affords accommodation for about one hundred boarders. The college is responsible for the general management of the commons, the details being in charge of a matron who is responsible to a college officer. Bills are paid into the college treasury, and the college assumes all financial responsibility. The rate of board has been fixed at two dollars and seventy-five cents a week.



MATERIAL EQUIPMENT.

NEW BUILDINGS.

WILLBUR FISK HALL, opened in the summer of 1904, is occupied by the Departments of Language, Literature, History, Economics, and Philosophy. It is of Portland brown-stone and practically fire-proof, 113 by 62 feet in dimensions, three stories in height above a lofty and well-lighted basement story, and cost one hundred and fourteen thousand dollars. It contains ten private studies for professors in charge of departments, fourteen lecture rooms, seven commodious seminary rooms, and a well-appointed psychological laboratory.

In the planning and construction of the building careful attention was paid to matters of heating, lighting, ventilation and drainage. It is believed that in dignity of external appearance, interior finish, convenience of arrangement, and adaptation at all points to the uses for which it is designed, it is a model college building.

THE JOHN BELL SCOTT MEMORIAL, a new Physical Laboratory, was completed in 1904 at a cost of one hundred and eighteen thousand dollars. It is the gift of the late Charles Scott and of his son, Charles Scott, of the class of 1886, in memory of John Bell Scott, of the class of 1881, who died of disease contracted while serving as Chaplain of the U. S. Cruiser *St. Paul* during the Spanish-American war.

It is a beautiful and imposing building constructed of Harvard brick and Indiana limestone. Its main part has a frontage of 102 feet and a depth of 51 feet, and in the rear is an extension 50 by 30 feet. The building consists of basement, three stories, and attic, except that the third story is omitted in the extension. The main lecture room contains nearly two hundred seats, and there is a smaller lecture room seating about forty persons. The building contains twenty-two rooms for experimental work, elementary and advanced, in addition to lecture and apparatus rooms, photographic dark rooms, storerooms, offices, a library, and a room for draughting and computing. There is also a tower 4 by 6 feet in cross section, with a height of 54 feet in the clear, which can be used for experiments requiring great vertical extension.

The building is equipped with an exceptionally extensive and complete system of wiring for the purpose of distributing to all points, for experimental use, alternating and direct currents from the city mains, as well as current from the storage batteries in the basement. For the most part the interior is finished with exposed brick walls, painted a light tint, and with exposed floor timbers and pipe work.

THE NEW NORTH COLLEGE was occupied as a dormitory for men in January, 1908. It is of Portland brown-stone, practically fire-proof, 152 by 48½ feet in dimensions, four stories in height above a basement, and cost about \$125,000. The building contains one hundred and one rooms, arranged to satisfy varying demands. There are twenty-four rooms for one student, and ten single rooms, twenty-three suites of two rooms, and seven suites of three rooms for two students. There are lavatories in the basement and on the third floor, supplied with tub and shower baths. The floor construction is of reinforced concrete throughout, and the stairs of iron and slate. The building is heated by steam from the central heating plant, and all rooms are lighted by electricity. All partitions in the basement, corridors and stair-wells are of hollow terra-cotta brick.

SOUTH COLLEGE, which formerly was used for recitation rooms and studies, has been remodelled to serve as an administration building. The entrance to the building has been raised and a new flight of steps constructed as an approach. The old wooden staircases have been replaced by new ones of iron, with slate treads. The first floor is used as a storeroom by the library. The second and third floors contain private offices for the President and Secretary, a stenographer's room and a storeroom, and a spacious room, finished in quartered oak, to be used for faculty meetings and as a general office. On the fourth floor are a number of two-room suites for dormitory use.

LIBRARY AND READING-ROOMS.

THE LIBRARY in Rich Hall contains about seventy-seven thousand volumes. The library is open every week-day of the college year from 8 A. M. to 10 P. M. Students are allowed direct access to the shelves. Copies of the library rules may be obtained from the Librarian.

The increase of the Library is provided for from the income of funds amounting to \$87,288. The Alumni Library Endowment of

\$36,256 is the aggregate of numerous gifts from alumni and friends of the University. The Hunt Library Endowment of \$30,619 was willed to the University by the late Rev. Albert Sanford Hunt, D. D., of the class of 1851. The Wilcox Library Endowment of \$20,413 was willed to the University by the late Mrs. Stephen Wilcox.

On the first floor of Memorial Chapel is a reading-room, provided with daily and weekly newspapers. Another reading-room, on the second floor of Rich Hall, contains the current issues of the most important magazines and reviews, literary and scientific, American and foreign.

ASTRONOMICAL OBSERVATORY.

THE OBSERVATORY is used for purposes of instruction, and is well equipped therefor. Students in astronomy have frequent opportunities to examine the most interesting celestial objects through the telescope; and members of the class in practical astronomy are instructed in the theory and use of all the instruments in the observatory.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

A gift was received in 1903 from the late Joseph Van Vleck of Montclair, New Jersey, to be used toward the erection and equipment of a new astronomical observatory. This gift, with its accumulations, now amounts to about \$42,000.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more

recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a photographic registering apparatus, a chronograph, a Wheatstone stereoscope, a double projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a fall-tachistoscope for class-room demonstration, and a mirror exposure apparatus of new design for studies in the psychology of reading.

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 90. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In the department of electricity, facilities are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25 horse-power Ball engine and a $17\frac{1}{2}$ kilowatt direct current dynamo, which are used to generate part of the current required for lighting the college buildings, advanced students in the electrical courses being employed as engineers:

THE CRAWFORD MEMORIAL FUND. A fund of five thousand dollars has been given by Hanford Crawford, of St. Louis, in memory of the Reverend Morris D'Camp Crawford, who was a Trustee of Wesleyan University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the department of physics, or to the promotion of research in the same department.

THE CHEMICAL LABORATORY finds accommodation on the lower floors of Judd Hall. Two lecture and recitation rooms provide facilities for class instruction. The larger of the two is capable of seating one hundred and ten persons.

The laboratory courses are likewise accommodated in two rooms, one of which is reserved exclusively for the use of students in quantitative analysis. In the other, which is the general laboratory room, there are desks for more than fifty students. The very valuable library of chemical periodicals collected by the late Professor Atwater is still housed in the chemical laboratory and remains accessible to instructors and students alike.

THE CRYOGENIC LABORATORY furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a complete liquid air plant, including a kerosene motor, a Norwalk compressor which delivers about twenty cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about four liters of liquid air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Four rooms are used for general laboratory purposes, of which one is devoted to miscellaneous laboratory work, one to physiological work, one to coarse dissection, and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study. The students of the department have also the advantage of the use of the State Bacteriological Laboratory, recently located in the John Bell Scott Memorial.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanic. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenezer Hill, Esq., of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAYERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wyllys Street. Its dimensions are 55 by 120 feet.

The basement contains two bowling alleys, a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof, above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

The gymnasium is in charge of a competent director. Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is afforded for baseball, football, and field and track athletics. An outdoor board track has recently been built by one of the college fraternities. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practice at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. This department includes about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities.. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a most valuable accession in the gift of a set of the educational series of rock specimens described in Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection. The collections in paleontology have been very largely increased since 1893 by the work of the present curator in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in

the vicinity of Chattanooga, Tenn., Cañon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. Especially important among these accessions are the collections of fossil fishes and plants from the Triassic shales of the Connecticut valley, and of Tertiary fishes and plants from Fossil, Wyo., and Tertiary plants and insects from Florissant, Col. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by Clarence S. Wadsworth, B. A.; and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., and by Mrs. W. W. Wilcox. The collection of coins numbers about 4,000, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Another collection of Chinese coins, numbering over 200, and representing the series of dynasties from the fifth century B. C. to the present time, was received in 1903 from Rev. John Gowdy, B. A., of the Anglo-Chinese College, Foo Chow. A valuable collection of Greek and Roman coins and facsimiles of such coins, historical medals, and copies of such medals, was presented to the Museum in 1906 by Stephen H. Olin, LL. D. Additional specimens subsequently presented by Dr. Olin bring the number of specimens in this collection up to about 600. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy and geology.

The coins (with the exception of the Olin collection and certain other special collections placed on exhibition in the museum) are kept in a case in the library, where they can be seen by students and others on special application. Small collections illustrative of classical archæology are kept in the seminary rooms.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOÖLOGY.

Mammals—skins mounted and unmounted,	-	-	-	-	-	-	-	-	200
alcoholic,	-	-	-	-	-	-	-	-	50
skulls and skeletons,	-	-	-	-	-	-	-	-	110
Birds—skins mounted and unmounted,	-	-	-	-	-	-	-	-	1,700
nests and eggs,	-	-	-	-	-	-	-	-	600
Reptiles,	-	-	-	-	-	-	-	-	350
Amphibians,	-	-	-	-	-	-	-	-	150
Fishes,	-	-	-	-	-	-	-	-	2,100
Insects—pinned and alcoholic,	-	-	-	-	-	-	-	-	6,500
nests, borings, etc.,	-	-	-	-	-	-	-	-	50
Crustacea,	-	-	-	-	-	-	-	-	1,500
Worms,	-	-	-	-	-	-	-	-	1,800
Mollusks—shells,	-	-	-	-	-	-	-	-	90,000
alcoholic,	-	-	-	-	-	-	-	-	4,000
Echinoderms,	-	-	-	-	-	-	-	-	1,000
Coelentera,	-	-	-	-	-	-	-	-	1,700
Sponges and protozoa,	-	-	-	-	-	-	-	-	150

DEPARTMENT OF BOTANY.

Plants in herbarium,	-	-	-	-	-	-	-	-	10,700
Specimens of wood,	-	-	-	-	-	-	-	-	300
Miscellaneous botanical specimens,	-	-	-	-	-	-	-	-	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks,	-	-	-	-	-	-	-	-	21,000
Fossils—Paleozoic,	-	-	-	-	-	-	-	-	11,500
Mesozoic,	-	-	-	-	-	-	-	-	3,700
Cenozoic,	-	-	-	-	-	-	-	-	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens,	-	-	-	-	-	-	-	-	3,000
Coins,	-	-	-	-	-	-	-	-	6,000

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, B. A., of the class of 1859. In accordance with its provisions, the income of \$6,860 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIP.

This scholarship was founded by Miss Louisa Loveland. The income of \$2,559 is available, at the discretion of the Faculty, for the use of a deserving student who needs pecuniary assistance. For this scholarship only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church, can be candidates.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,043 is given annually to that member of the Senior or Junior class who is named by the Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates.

THE ACKLEY SCHOLARSHIP.

This scholarship was founded by Mrs. Helen E. Ackley. The income of \$2,000 is given annually to such young women among the undergraduates as in the opinion of the Board of Trustees are deserving of assistance.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Frank S. Jones Scholarship Fund, \$1,021, founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$3,562, founded by William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,153, founded by John J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory of Hon. George W. Shonk, B. A., of the class of 1873.

The Starks Scholarship Fund, \$1,027, founded by Mrs. Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,027, founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,057, founded by Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$3,092, founded by James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$10,447, founded by Mrs. Annie M. Swift, of Chicago, Ill., in memory of her husband, Gustavus F. Swift.

The George G. Reynolds Scholarship Fund, \$2,017, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y.

The Cyrus D. Jones Scholarship Fund, \$2,519, founded by Cyrus D. Jones, of Scranton, Pa.

The Harriet Townsend Reynolds Scholarship Fund, \$2,500, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his wife.

The Frank Reynolds Scholarship Fund, \$2,500, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his son, who graduated in 1868.

LOAN FUND.

Besides the scholarships above mentioned, there is a small fund from which loans are made to deserving students in the Junior and Senior classes. These loans bear a moderate rate of interest and are payable usually after graduation.

COLLEGE HONORS.

PRIZES.

THE HARRINGTON PRIZE.—A prize of fifty dollars, the gift of Rev. Edmund Mead Mills, D. D., in memory of Professor C. S. Harrington, is awarded for the best essay on some specified subject in the department of history. The subject for the essay of 1908 is: Connecticut, 1800-1817; The War of 1812 and the Hartford Convention. The competition is open to Juniors and Seniors who are taking, or have taken, courses in the department other than Course I. The essays must be left with the head of the department on or before June 1, 1908.

THE JOSEPH D. WEEKS PRIZE.—A prize of fifteen dollars is awarded for the best essay on some specified subject in the department of economics. The subject for the essay of 1908 is: Publicity as a Remedy for the Evils of Industrial Monopoly. The essays must be left with the head of the department on or before the third Monday in May (May 18, 1908).

THE PEIRCE PRIZE.—A prize of ten dollars, the income of a fund given by Rev. Bradford K. Peirce, D. D., is awarded for excellence in natural science. It will be given in 1908 upon a special examination based on Course I. in chemistry. The subject of the examination in 1909 will be geology; in 1910, biology.

THE PHI BETA KAPPA PRIZE.—A prize of twenty-five dollars, the gift of the Connecticut Gamma of Phi Beta Kappa, is awarded for excellence in Latin. It will be given in 1908 upon a special examination in the odes and epodes of Horace.

THE G. BROWN GOODE PRIZE.—A prize of ten dollars, the gift of Mrs. G. Brown Goode, is awarded for the best original investigation in the department of natural history.

THE JOHN BELL SCOTT PRIZE.—A prize of forty-five dollars, the income of a fund given by the late Charles Scott, is awarded for excellence in the modern languages. It will be given in 1908 for the

best examination passed in the life and works of Dante. In 1909 this prize will be given for the best essay on "Schiller's Dramatic Development."

No person who has once taken either the Harrington, the Joseph D. Weeks, the Phi Beta Kappa, or the G. Brown Goode prize, may compete for it again.

THE WEEKS PRIZE.—A prize of fifteen dollars is awarded for excellence in modern philosophy. It will be given in 1908 for the best examination in Courses VII. and VIII. in philosophy, and for additional work to be assigned by the instructor.

THE CAMP PRIZE.—A prize of twenty dollars, the income of a fund given in memory of Samuel T. Camp, is awarded for excellence in English literature. It will be given in 1908 upon a special examination in Course I. in English literature.

THE JOHNSTON PRIZE.—A prize of twenty-five dollars, the gift of Rev. David G. Downey, D. D., in memory of Professor John Johnston, is awarded for excellence in electricity. It will be given in 1908 upon a special examination based on Course II. in physics.

THE SPINNEY PRIZE.—A prize of fifteen dollars is awarded for excellence in Greek. It will be given in 1908 for special work based in part on the first half of Course II. in Greek.

THE RICE PRIZE.—A prize of twenty dollars, given in memory of Rev. William Rice, D. D., is awarded for excellence in mathematics. It will be given in 1908 upon a special examination based on Course V. in mathematics.

Students who compete for either the Weeks, the Camp, the Johnston, the Spinney, or the Rice prize must do so during the year in which they regularly pursue the course or courses on which the examination for the prize is based.

THE WISE PRIZE.—A prize of twelve dollars, the income of a fund given by Rev. Daniel Wise, D. D., is awarded to that member of the Senior class who excels in ethics. It will be given in 1908 to that member of the Senior class who presents the best paper on "The Nature and Ethical Significance of Sympathy."

THE GERMAN PRIZE.—A prize of twenty-five dollars is given by a friend of Wesleyan to the best German student in the Senior class. It will be given in 1908 upon a special examination based on Course VIII. in German.

THE WALKLEY PRIZE.—A prize of twenty dollars, the income of a fund given by Webster R. Walkley, M. A.,—*in memoriam* David Hart Walkley, born April 23, 1857; graduated June 27, 1878; died September 16, 1878,—is awarded to that member of the Junior class who excels in psychology. It will be given in 1908 for the best examination on the work of the required course in psychology, together with additional work to be assigned by the instructor.

THE SHERMAN PRIZE.—A prize of ten dollars, the income of a fund given by Rev. David Sherman, D. D., is awarded this year to that member of the Freshman class who excels in Greek. It will be given upon a special examination on the orations of Lysias contained in the edition of Adams, and on a general knowledge of his life and works. The subject of the examination in 1909 will be mathematics; in 1910, Latin.

THE AYRES PRIZE.—A prize of forty-five dollars, the income of a fund given by Daniel Ayres, M. D., LL. D., is awarded to that member of the Freshman class who is found upon a special examination, held shortly after the beginning of the college year, to have attained the highest excellence in the studies preparatory to admission to the classical course.

THE RICH PRIZE.—A prize of twenty-five dollars, the income of a fund given by Isaac Rich, in memory of his wife, is awarded to that member of the Senior class whose oration at Commencement is deemed best in composition and delivery. These orations must not exceed twelve hundred words in length, and must be left with the Professor of English Literature on or before the second Tuesday preceding Commencement (June 16, 1908).

THE OLIN PRIZE.—A prize of sixty-five dollars, the income of a fund given by Mrs. Julia M. Olin, and increased by Stephen Henry Olin, LL. D., is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1908 is: The Mission of John Ruskin. The subject for the essay of 1909 is:

What Constitutes To-day a Liberal Education? Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 27, 1908).

JUNIOR EXHIBITION PRIZES.—Two prizes, of twenty and fifteen dollars respectively, are awarded to the two members of the Junior class who present the best orations at the annual Junior Exhibition. In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 25, 1908).

THE BRIGGS PRIZE.—A prize of sixty dollars, the income of a fund given by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

THE CALEF PRIZE.—A prize of fifty dollars, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

THE PARKER PRIZE.—A prize of ten dollars, the income of a fund given by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

THE HIBBARD PRIZE.—A prize of ten dollars, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

THE TAYLOR PRIZE.—A prize of ten dollars is awarded to that student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1906-1907.

The Harrington Prize, to ERNEST ALEXANDER INGLIS, 1908.

Committee of Award:—Reverend Azel Washburn Hazen, D. D., of Middletown.

The Joseph D. Weeks Prize, to HARRY WELLINGTON LAIDLER, 1907.

Committee of Award:—Professor Edwin Walter Kemmerer, Ph. D., of Cornell University.

The Peirce Prize, to KENNETH NOEL ATKINS, 1908, and HAROLD JOEL CONN, 1908.

Committee of Award:—Jeremiah Francis Calef, M. D., of Middletown.

The Phi Beta Kappa Prize, to ROY BULLARD CHAMBERLIN, 1909.

Committee of Award:—Professor Frank Gardner Moore, Ph. D., of Dartmouth College.

The G. Brown Goode Prize, to WILLIAM GUY FELLOWS, 1907.

The John Bell Scott Prize, to ADOLPH BURNETT BENSON, 1907.

Committee of Award:—Professor Gustav Gruener, Ph. D., of Yale University.

The Weeks Prize, to HOWARD ARNOLD SECKERSON, 1907.

The Camp Prize, to ROY BULLARD CHAMBERLIN, 1909.

The Johnston Prize, to SILAS STANLEY KENT, 1910.

The Spinney Prize, to ERIC MCCOY NORTH, 1909.

The Rice Prize, to ERIC MCCOY NORTH, 1909, and FRANK HATCH STREIGHTOFF, 1909.

The Wise Prize, to HOWARD ARNOLD SECKERSON, 1907.

The German Prize, to ADOLF BURNETT BENSON, 1907.

Committee of Award:—Professor William Kilborne Stewart, M. A., of Dartmouth College.

The Walkley Prize, to DONALD MONROE GILBERT, 1908.

The Sherman Prize, to CARLL WHITMAN DONSEE, special student.

The Rich Prize, to RAYMOND LALOR FORMAN, 1907.

Committee of Award:—Reverend Benjamin Franklin Kidder, Ph. D., of Winsted, Conn.; Wilbur Ashley Mott, B. A., of Newark, N. J.; Charles Spaulding Aldrich, M. A., of Troy, N. Y.

The Olin Prize, to BENJAMIN PETTENGILL ADAMS, 1907.

Committee of Award:—Ferris Greenslet, Ph. D., of Boston, Mass.

The First Junior Exhibition Prize, to ROBERT WATERMAN RICE, 1908.

Committee of Award:—Reverend Richmond Fisk, D. D., of Middletown; William Walter Wilcox, B. A., of Middletown; and Reverend Philip Mercer Rhinelander, M. A., of Berkeley Divinity School.

The Second Junior Exhibition Prize, to ARTHUR GERALD HUBERT POWER, 1908.

Committee of Award:—Same as for the First Junior Exhibition Prize.

The Briggs Prize, to ARTHUR GERALD HUBERT POWER, 1908.

Committee of Award:—Heman Charles Whittlesey, B. A., of Middletown; Clarence Hood Woolsey, Ph. D., of Middletown; and Professor William Arthur Heidel, Ph. D.

The Calef Prize, to ROBERT WATERMAN RICE, 1908.

Committee of Award:—Reverend Azel Washburn Hazen, D. D., of Middletown; Reverend Edwin Sloan Tasker, B. A., of Tilton, N. H.; and Reverend George Seymour Godard, B. D., State Librarian, Hartford, Conn.

The Parker Prize, to JOHN GREGG PAINE, 1909.

Committee of Award:—Same as for the Calef Prize.

The Hibbard Prize, to HOWARD BUTLER MERRITT, 1910.

Committee of Award:—Same as for the Calef Prize.

The Ayres Prize, for the current year, to WESLEY EVERETT RICH, 1911, prepared at the Newton High School, Newton, Mass.

The Taylor Prize, to HERBERT CLAYTON CHAMBERLAIN, 1907.

APPOINTMENTS FOR JUNIOR EXHIBITION AND COMMENCEMENT.

The Junior Exhibition is held on the third Thursday evening of the spring term (May 7, 1908). The speakers are selected from the men of the Junior class according to their grade in composition sub-

sequent to the Freshman year and by means of a special contest in declamation. The selection of speakers for Commencement, from the men of the Senior class, is determined by their grade in the rhetorical exercises of the Junior and the Senior year and by a special contest in declamation. The number of speakers at each of these public exercises is limited to eight.

The speakers last year were:—

JUNIOR EXHIBITION.

Wesley Converse Atkins,	Arthur Gerald Hubert Power,
Raymond Scofield Curtice,	Robert Waterman Rice,
Charles Edward Graves,	Frank Warren Roberts,
Walter Ricketson Mitchell,	Frederick Elisha Shapleigh.

COMMENCEMENT.

Frank Asa Berry,	Earle Linus Rich,
Raymond Lalor Forman,	Howard Arnold Seckerson,
Harry Wellington Laidler,	Robert Leroy Simpson.

HONORS IN SCHOLARSHIP.

I. HONORS IN GENERAL SCHOLARSHIP.—Two grades of honor, designated respectively as honors and high honors, are conferred at graduation, based upon the general scholarship of the student throughout his whole course.

An honor in general scholarship is awarded to a student who has received a grade not below third on an aggregate of not less than 62 hours' work, as reckoned in the record of standings, has received first grade on a number of hours' work not less than the part of the 62 hours' work on which he has received third grade, and has not fallen below fourth grade in any study of the course.

A high honor in general scholarship is awarded to a student who has received a grade not below second on an aggregate of not less than 62 hours' work, has received first grade on an aggregate of not less than 50 hours' work, and has not fallen below third grade in any study of the course.

II. PRELIMINARY HONORS.—Preliminary honors are awarded in the departments of classics and of mathematics at the end of the Sophomore or Junior year, and no student can receive special honors

at graduation in Greek, Latin, or mathematics, who has not previously received the corresponding preliminary honors. Notice of candidacy for preliminary honors must be given to the senior officer of the department, and to the Secretary of the Faculty, as early as the first Monday of the third term of the year in which the candidate intends to present himself for the special examination (April 27, 1908). The case of each candidate is decided by the Faculty. The special regulations concerning the award of preliminary honors are as follows:—

Classics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade, in the following courses:—I., II., and either III. or IV. Greek, and I., II., III., and IV. Latin.

2. He must also pass with distinction a special examination, held near the end of the academic year, and designed to test (*a*) his ability to translate Greek and Latin into English at sight, and (*b*) his knowledge of Greek and Latin grammar, and of Greek and Roman antiquities, mythology, and political and literary history.

Mathematics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade in the required course in mathematics, and in such elective courses, amounting to not less than five hours a week, as may be approved by the head of the department. Courses IV. and V. are recommended.

2. He must pass with distinction a special examination, held near the end of the academic year, which may cover the entire field of his mathematical knowledge.

III. HONORS IN SPECIAL DEPARTMENTS AT GRADUATION.—Two grades of special honor, designated respectively as honors and high honors, are awarded at graduation in each of the following departments:—

Latin; Greek; German; Romance Languages; English; History; Economics and Social Science; Philosophy; Mathematics; Physics; Chemistry; Geology; Biology.

The conditions upon which special honors in these departments are awarded are as follows:—

(1) The candidate must apply to the officer in charge of the department in which he desires to take honors, and to the Secretary of the Faculty, not later than the first Monday of the third term in the Junior year (April 27, 1908).

(2) He must pass at the regular or special examinations in such studies of the college course as are prescribed for honors in the several departments in the schedule given below; and in such studies he must not fall below third grade, and must maintain an average standing of second grade after the beginning of the Sophomore year, or must receive first grade in all of the prescribed studies which he takes after the beginning of the Junior year.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 13, 1908).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year, and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than twenty hours a week.

2. Courses I., II., and either III. or IV. in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.–VI., and either IX., or X. and XI. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I.–IV. in Latin.

German.—1. Courses I.–V., VIII., IX., and X. in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Course IV. in English language.

Romance Languages.—1. Courses I.–VI. in French, and any two other courses in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a.) Four courses in English literature, and four courses in English language.

(b.) Four courses in English language, one course in English literature, two courses in German.

(c.) Four courses in English literature, one course in English language, four courses in French or German or both.

(d.) Four courses in English literature, four courses in French or German, the course in English history.

(e.) Five courses in English language, five courses in French or German.

History.—1. All the courses in history except Course I. A.

2. Course I. and one other course in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III. in history.

Philosophy.—1. All the courses in philosophy.

2. The course in ethics.

3. The course in theism (for candidates in general philosophy), or Course IV. in biology (for candidates in psychology).

Mathematics.—1. The required course in mathematics.

2. Elective courses in mathematics and astronomy, amounting in the aggregate to not less than fifteen hours a week.

3. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course V. in mathematics in the Sophomore year.]

Physics.—1. Courses I. and II. in physics.

2. Two years of practical physics (in at least one of which there shall be three exercises a week).

3. Not less than the equivalent of six hours per week for a year, chosen from the following courses:—IV., V., VI., VII., VIII., IX., X. Physics, and XII. Mathematics.

4. Course I., and either Course III. or Course IV. in chemistry.

5. Course V. in mathematics.

Chemistry.—1. Courses I., II., either III. or IV., VI., VII., and XII. in chemistry.

2. Course I. in physics, and one year of practical physics; or Course VIII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.–VI. in geology.

2. The course in descriptive astronomy.

3. Courses II. and III. in biology.

4. Not less than two of the following courses:—V., VI., and VII. Biology, either III. or IV. Chemistry, VI. Chemistry, and V. Physics.

Biology.—1. Courses I.–IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).

3. Courses I. and II. in geology.

4. Either Course III. or Course IV. in chemistry or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 22, 1908).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.

AWARD OF HONORS, 1906-1907.

HONORS IN GENERAL SCHOLARSHIP.

HIGH HONORS.

Ray Rood Allen.

Alice Mabel Bock.

HONORS.

Benjamin Pettingill Adams,

Leonard Seaman Downey,

Harold Douglass Allen,

Harry Wellington Laidler,

Adolph Burnett Benson,

Earle Leslie Legg,

Frank Asa Berry,

Joseph Walter Northrop, Jr.,

Herbert Clayton Chamberlain,

William Harold Peterson,

John Scarlett Clarke,

Rosevelt Rensselaer Sherwood,

Young Chalmers Smith.

Clara Ella Lang,

Frances Teresa Nejako.

HONORS IN SPECIAL DEPARTMENTS.

HIGH HONORS.

German.

Adolph Burnett Benson. Das mittelhochdeutsche Volksepos. Thesis:

"Die Entstehung und Entwicklung der Nibelungensage bis auf das mittelhochdeutsche Nibelungenlied."

HONORS.

Romance Languages.

Joseph Walter Northrop, Jr. Old French Epic Poetry. Thesis:

"The Arthurian Romances; and their Influence on Tennyson's 'Idylls of the King.'"

WESLEYAN UNIVERSITY.

PRELIMINARY HONORS.

Mathematics.

Sophomores.

Frank Alton Shailer, Frank Hatch Streightoff,
William Rulon Williamson.

Classics.

Junior.

Raymond Scofield Curtice.

Sophomore.

Harry Alexander Grant.

DEGREES.

The following degrees are conferred by the University, in course:—

BACHELOR OF ARTS.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Classical Course.

BACHELOR OF PHILOSOPHY.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Latin-Scientific Course.

BACHELOR OF SCIENCE.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Scientific Course.

The baccalaureate degree is awarded *summa cum laude* to a student who takes high honors both in general scholarship and in one or more departments; *magna cum laude*, to a student who takes a high honor either in general scholarship or in one or more departments; *cum laude*, to a student who takes an honor either in general scholarship or in one or more departments.

MASTER OF ARTS AND MASTER OF SCIENCE.—The degrees of **Master** of Arts and Master of Science are conferred in accordance with the following regulations:—

1. The degree of Master of Arts is conferred upon Bachelors of Arts of Wesleyan University, of at least one year's standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued in residence for a period of not less than one year. This course of study is under the full direction of a Committee of the Faculty on Graduate Instruction, composed of three permanent members with the addition of the instructor in charge of each department in which the candidate pursues work. Evidence of the candidate's proficiency in the approved studies is given by an examination, oral or written, by a thesis or an essay, by the exhibition of scientific

specimens, preparations, or processes, or by two or more of these methods combined, as the committee may prescribe. All such tests of proficiency are under the direction of the committee, and they report to the Faculty proper candidates for the degree.

2. In the case of Bachelors of Arts of other colleges whose course of study is accepted as sufficient by the Committee on Graduate Instruction, or who pass such additional examinations as the committee prescribes, the degree of Master of Arts is conferred on the conditions prescribed in the case of Bachelors of Arts of Wesleyan University pursuing a course of study in residence.

3. The degree of Master of Arts is also conferred upon Bachelors of Arts of Wesleyan University, of at least three years' standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued *in absentia*, and equivalent in amount to that prescribed in the case of resident graduate students; and in all other particulars the same regulations hold in the case of non-resident as in the case of resident students. The degree is also conferred upon Bachelors of Arts of Wesleyan University, of two years' standing, at the satisfactory conclusion of a course of study pursued *in absentia*, on the conditions above specified, provided that the candidate has spent the two years in resident study in a non-professional department of some other university.

4. The degree of Master of Science is conferred upon Bachelors of Philosophy and Bachelors of Science, whether of this or of other colleges, under the same conditions which govern in the case of the degree of Master of Arts.

5. Bachelors of Philosophy and Bachelors of Science, whether of this or of other colleges, who pass such examinations in Greek and Latin, and in other literary studies, as the Committee on Graduate Instruction prescribes, are admitted to the degree of Master of Arts on the conditions prescribed in the case of Bachelors of Arts.

6. A fee of five dollars is required of every candidate for the Master's degree before his proposed course of study can be approved by the Committee on Graduate Instruction; and a fee of ten dollars is required when the degree is conferred.

Communications from prospective graduate students regarding the Master's degree should be addressed, in the first instance, to Professor A. C. Armstrong, the secretary of the Committee on Graduate Instruction.

DEGREES CONFERRED, JUNE 1907.

DEGREES IN COURSE.

The Degree of Bachelor of Arts was conferred on:—

Benjamin Pettingill Adams,	Herbert Nagle Howard,
Harold Douglass Allen,	Harry Wellington Laidler,
Ray Rood Allen,	Earle Leslie Legg,
Frank Asa Berry,	Clarence Paul McClelland,
Russell Forrest Bower,	Olin Foss McCormick,
Ernest Lyman Bragg,	Henry Trumbower MacLean,
Herbert Clayton Chamberlain,	Joseph Walter Northrop, Jr.,
Howard Albert Corey,	Walter Patten,
Benjamin Franklin Dickisson,	Earle Linus Rich,
Edwin Anderson Field,	Howard Arnold Seckerson,
Harry Miles Gordy,	Rosevelt Rensselaer Sherwood,
Joseph Willis Hawley,	Young Chalmers Smith,
Arthur Percy Hickcox,	Jesse Merrill Tebbetts,
Harold McIlveen Horton,	Frank Adolph Van Sciver,
	Daniel Wilkins.

Frances Teresa Nejako,

Marietta Josephine Wetterau.

The Degree of Bachelor of Philosophy was conferred on:—

Hiland Garfield Batcheller,	Edward Allen Jennings,
Joseph Clair Beebe,	Adelbert Llewellyn Leathers,
Ralph Snow Carpenter,	Floyd Josiah Miller,
Joseph Wardell Chasey,	Arthur Seybolt,
Raymond Lalor Forman,	Robert Leroy Simpson,
Thomas Baker Gibb,	Lorenzo Collington Streeter,
Arthur Benjamin Haley,	Harry Phillips Trevithick,
George Henry Ingraham,	Addison Wetherald Williamson.
Alice Mabel Bock,	Clara Ella Lang,
Elizabeth Pauline Bransfield,	Marguerite Genevieve Lawton.

The Degree of Bachelor of Science was conferred on:—

Adolph Burnett Benson,	William Guy Fellows,
Carl Willis Clark,	George Lewis Mylchreest,
John Scarlett Clarke,	Walter Charles North,
Charles George Crane,	William Harold Peterson,
Leonard Seaman Downey,	Daniel Woodhead.
Elizabeth Dunham Clark,	Mima Bailey Turner.

The Degree of Master of Arts on examination was conferred on:—

- Addis Bliss Albro, B. A., 1899. Subject: Chemistry. Theses: "Fruits and Nuts as Food;" "Silicon and Silicon Alloys."
- Victor Caryl Myers, B. A., 1905. Subjects: Chemistry, Biology. Theses: "Normal Body Temperature;" "Creatine and Creatinine."
- Frank Eggleston Robbins, B. A., 1906. Subjects: Greek, Latin. Thesis: "The Principle of the Action of Like on Like in the Pre-Socratics."
- Harold Edmund Wilson, B. A., 1904. Subject: English Literature. Thesis: "Qualities Peculiar to New England Life and Thought Common to Emerson, Lowell, and Hawthorne."
- Ellen Mary Brainerd Peck, B. A., 1891. Subjects: English Literature, Romance Languages. Thesis: "The Development of Metrical Forms Outside the Drama, 1558-1660."

The Degree of Master of Science on examination was conferred on:—

- Harold DeForest Arnold, Ph. B., 1906. Subjects: Physics, Mathematics, Chemistry. Thesis: "The Electric Arc Between Metallic Electrodes."
- Clarence Frederic Hale, B. S., 1903. Subject: Chemistry. Thesis: "A Determination of the Law of Cooling at the Valve of an Air Liquefier."
- Ella Pardee Warner, Ph. B., 1906. Subjects: English Literature, English Language, Romance Languages. Thesis: "The Development and Decline of English Lyric Poetry, 1550-1660."

HONORARY DEGREES.**The Degree of Master of Arts was conferred on:—**

- Charles Phelps, ex-'75, ex-Secretary of State of Connecticut, Rockville, Conn.

Marcus White, '88, Principal of the State Normal School, New Britain, Conn.

The Degree of Doctor of Divinity was conferred on:—

Wilbur Fisk Berry, ex-'80, Principal of Maine Wesleyan Seminary and Woman's College, Kents Hill, Me.

Frederick Watson Hannan, '90, Brooklyn, N. Y.

Eugene Allen Noble, '91, Principal of Centenary Collegiate Institute, Hackettstown, N. J.

Fairbank Barnes Stockdale, Meriden, Conn.

The Degree of Doctor of Science was conferred on:—

Lewis Buckley Stillwell, ex-'86, New York, N. Y.

The Degree of Doctor of Laws was conferred on:—

William Thomas Elmer, '57, Judge of the Superior Court of the State of Connecticut, (retired).

PUBLICATIONS.

ALUMNI RECORD.—Through the liberality of Orange Judd, M. A., a Biographical Record of the Alumni of the University was published in 1869. A third edition of this Record, revised and corrected, was issued in June, 1883. This edition contains not only the record of alumni, revised and corrected to the date of publication, but also a list of all former students not graduates, with their residences, and such other information with reference to them as the most thorough search could obtain. It also includes a bibliographical record, showing all the more important literary and scientific work done by alumni and members of the Faculty. Copies of this edition may be had on application to the librarian, W. J. James. The price of the Record, postage prepaid, is one dollar.

An eighth edition of the Supplement to the Alumni Record was published in December, 1907. It contains an alphabetical list of the living graduates, with their honorary and professional degrees, their occupations, their addresses, and their geographical distribution; also a list of honorary alumni, with their addresses, if living, or date of death, if deceased. This edition also contains as full information as can be obtained concerning the non-graduates.

Information in regard to changes of address of alumni or non-graduates, or in regard to any other facts suitable for future editions of the Record, is earnestly solicited. All who can furnish such information are requested to communicate with Professor F. W. Nicolson, Secretary of the Faculty.

WESLEY BICENTENNIAL.—A memorial volume was issued early in 1904 containing a full record of the celebration of the bicentennial anniversary of the birth of John Wesley by Wesleyan University at the Commencement of 1903. The book was printed by Theo. L. DeVinne & Co., of New York. It contains over 250 pages, and includes a general account of the celebration, the full text of all the addresses delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of

degrees, honorary and in course, and of nearly six hundred alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds, with two excellent portraits of John Wesley, and with portraits of the principal speakers. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.50, postage prepaid.

SEVENTY-FIFTH ANNIVERSARY.—A memorial volume, descriptive of the celebration of the seventy-fifth anniversary of the founding of Wesleyan University, held during the Commencement week of 1906, was published in June, 1907. The volume contains a full account of all the proceedings, including the text of all the addresses, a list of the alumni attending the celebration, a list of degrees conferred, etc., and is illustrated with pictures relating to the history of the University. The historical address by Professor William North Rice and the pictures of the college, old and new, are of peculiar interest to all former students. The volume is published in a form in keeping with the interesting and valuable record it contains. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.00, postage prepaid.

BULLETIN.—The *Bulletin* was first issued in 1888, and has since been published twice a year (usually in May and November), under the direction of a committee of the Faculty. It contains accounts of trustee and alumni meetings, lists of recent gifts, statements of the most urgent needs of the University, changes in the Faculty and courses of study, department notes, and various other matters of interest to the alumni and friends of the institution. It is sent to the trustees and alumni, and may be obtained by other friends of the University upon application to the Secretary of the Faculty.

NECROLOGY.—A list of deceased graduates of the University is published annually in the Spring *Bulletin*. All persons who can supply information for future lists are urgently requested to communicate the same to Professor F. W. Nicolson, Secretary of the Faculty.

ALUMNI ASSOCIATIONS.

GENERAL ALUMNI ASSOCIATION.

Hon. Francis Hubert Parker, '74, Hartford, Conn., *President*.
William John James, '83, Middletown, *Corresponding Secretary*.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.

George Hubbard Blakeslee, '93, Worcester, Mass., *President*.
Samuel Fuller Crowell, '02, 43 Federal St., Boston, Mass., *Secretary*.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.

Rev. William Willet Peck, '95, Needham, Mass., *President*.
Clarence Lucian Newton, '02, 84 State St., Boston, Mass., *Secretary*.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.

Wilbur Fisk Randall, '80, New York, N. Y., *President*.
Ralph Norton, '03, 13 Park Row, New York, N. Y., *Secretary*.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.

Waters Burrows Day, '91, Newark, N. J., *President*.
Herbert Bronson Shonk, '03, 60 Wall St., New York, N. Y., *Secretary*.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.

George Slocum Bennett, '64, Wilkes-Barre, Pa., *President*.
Ralph W. Rymer, '00, 507 Connell Building, Scranton, Pa., *Secretary*.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.

Harry Keiser Munroe, '88, Newark, N. J., *President*.
Harry P. Day, '03, Prudential Building, Newark, N. J., *Secretary*.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.

Wilbur Fisk Hamilton, '79, Philadelphia, Pa., *President*.
George Imlay Bodine, Jr., '06, 129 South Fourth St., Philadelphia,
Pa., *Secretary*.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.

Marcus Patten Hatfield, '70, Chicago, Ill., *President*.
Charles H. Brown, '97, John Crerar Library, Chicago, Ill., *Secretary*.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.

Charles Melville Parker, '68, Pasadena, Cal., *President*.
Ernest Perley Clarke, '85, Riverside, Cal., *Secretary*.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.

Frank Reid North, '97, Portland, Me., *President*.
Josiah Willard Taylor, '02, Freeport, Me., *Secretary*.

WESLEYAN ALUMNI ASSOCIATION OF CENTRAL NEW YORK.

Theodore E. Hancock, '71, Syracuse, N. Y., *President*.
Lester Reuben Weeks, '06, Syracuse, N. Y., *Secretary*.

WESLEYAN ALUMNI ASSOCIATION OF WASHINGTON, D. C.

Martin Augustine Knapp, '68, Washington, D. C., *President*.
Edward William Thompson, '98, Washington, D. C., *Secretary*.

EMPLOYMENT BUREAU.

An employment bureau is maintained in the office of the Secretary of the Faculty, for the purpose of securing positions as teachers for graduates of the college, and to provide opportunities for undergraduates to earn money towards paying their college expenses, either by work in Middletown during term time, or by work in Middletown or elsewhere during the summer vacation. Those who wish to avail themselves of the opportunity thus offered are invited to register; and the alumni and friends of the college are urgently requested to inform the Secretary of any vacancy coming to their notice which might be filled by a Wesleyan student or graduate. No fees are charged.

CALENDAR.

1907.

- Sept. 26, Thursday—First term began.
Nov. 27-Dec. 1, Thanksgiving recess.
Dec. 20, Friday—First term closed.

CHRISTMAS RECESS.

1908.

- Jan. 7, Tuesday—Second term began.
Jan. 30, Thursday—Day of prayer for colleges—a holiday.
Feb. 8-21, Mid-year examinations.
Feb. 22, Saturday—Washington's Birthday—a holiday.
April 14, Tuesday—Second term will close.

SPRING RECESS.

- April 22, Wednesday—Third term will begin.
April 25, Saturday—Last day for presenting Junior Exhibition essays.
April 27, Monday—Last day for presenting Olin Prize essays.
April 27, Monday—Last day for presenting applications for preliminary and special honors.
April 27, Monday—Last day for presenting applications for special spring examinations.
May 7, Thursday—Junior Exhibition.
May 18, Monday—Last day for presenting Joseph D. Weeks Prize essays.
May 28, Thursday—Prize debate.
May 30, Saturday—Memorial Day—a holiday.
June 1, Monday—Last day for presenting Harrington Prize essays.
June 5, Friday—Annual examinations will begin.
June 13, Saturday—Last day for presenting special honor theses, and for special honor examinations.
June 13, Saturday—Last day for presenting Master's theses, and for examinations for the Master's degree.

1908.

- June 16, Tuesday—Last day for presenting Rich Prize essays.
June 19, Friday—Prize declamation contest.
June 21, Sunday morning—Baccalaureate sermon.
June 21, Sunday evening—University sermon.
June 22, Monday morning—Announcement of award of prizes and of preliminary honors.
June 22, Monday afternoon—Class Day.
June 22, Monday evening—Meeting of the Board of Trustees.
June 23, Tuesday morning—Business meeting of the Phi Beta Kappa Society.
June 23, Tuesday morning—Meeting of the Board of Trustees.
June 23, Tuesday morning—Business meeting of the Alumni Association.
June 23, Tuesday afternoon—Social receptions by the college fraternities.
June 24, Wednesday—COMMENCEMENT.
June 25, Thursday—Examination of candidates for admission will begin.

VACATION OF FOURTEEN WEEKS.

- Sept. 29, Tuesday—Special examinations for students deficient at the annual examinations.
Sept. 30, Wednesday—Examination of candidates for admission will begin.
Oct. 1, Thursday—First term will begin.

INDEX.

	PAGE		PAGE
Abbreviations, - - -	- 25, 37	Crawford memorial fund, - -	93
Absence from college, - -	- 85, 87	Cryogenic laboratory, - -	94
from recitations, - -	- 84	Daily program, - - -	71-73
Admission, Terms of, - -	28, 34, 78	Debate, - - - - -	49
Alumni associations, - -	- 122	Degrees, - - - - -	26, 115
Alumni record, - - -	- 120	conferred, - - -	- 117
Apparatus, - - - - -	- 92	Diploma fees, - - -	86, 116
Astronomy, - - - - -	- 59, 92	Economics, - - - - -	53
Athletics, - - - - -	- 85, 94	Elective studies, - - -	26, 74, 76
Ayres prize, - - - - -	- 103	Electricity, - - - - -	- 62, 63
Bacteriology, - - - - -	- 70	Employment bureau, - - -	123
Bible, English, - - - - -	- 58	English language, - - -	50
Biology, - - - - -	- 68, 94	English literature, - - -	47
Board, Cost of, - - - - -	- 87, 89	Ethics, - - - - -	58
Botanical collections, - -	- 96, 98	Ethnographical collections, -	97, 98
Botany, - - - - -	- 68	Evidences of Christianity, -	58
Buildings, New, - - - - -	- 90	Evolution, - - - - -	70
Bulletin, - - - - -	- 121	Examination groups, - - -	74
Calendar, - - - - -	- 124	Examinations, - - - - -	84
Certificate, Admission by, -	- 35	for admission, - - -	35
Chapel, - - - - -	- 85	Expenses, - - - - -	- 86, 87
Chemistry, - - - - -	- 64, 93	Faculty, - - - - -	9
Church attendance, - - -	- 85	Committees of, - - -	13
Classical club, - - - - -	- 82	Fees, Laboratory, - - -	86
Classical course, - - - -	26, 28, 76	Diploma, - - - - -	86, 116
Coins, Collection of, - - -	- 97, 98	French, - - - - -	45
Commencement appointments, -	106	Geological collections, - -	- 96, 98
Committees, Faculty, - - -	- 13	Geology, - - - - -	- 67
Trustee, - - - - -	- 7	German, - - - - -	42
Commons, - - - - -	- 89	Grades, - - - - -	83
Conditions, Entrance, - -	- 85	Graduate instruction, {	27, 40, 45, 47,
Courses, General, - - - -	- 26, 37	Special, - - - - -	49, 55, 58, 66,
Special, - - - - -	- 27, 34	required, Schedule of, -	68, 115
required, Schedule of, -	- 76, 79	Graduate students, - - -	- 14

	PAGE		PAGE
Greek, - - - - -	40	Preliminary honors, 37, 40, 41, 107, 112	
Group system, - - - - -	80	Award of, - - - - -	114
Gymnasium, - - - - -	94	Prizes, - - - - -	101
Herbarium, - - - - -	96, 98	Award of, - - - - -	105
History, - - - - -	52	Psychology, - - - - -	56, 57, 92
Honors, Award of, - - - - -	113	Publications, - - - - -	120
General, - - - - -	107, 112	Public speaking, - - - - -	52
Preliminary, - 37, 40, 41, 107, 112		Quota of studies, - - - - -	83
Special, - - - - -	108	Reading-rooms, - - - - -	92
Italian, - - - - -	46	Recitations, Program of, - - - - -	71-73
Junior Exhibition appointments, 106		Regents' diplomas, - - - - -	35
Laboratories, - - - - -	92	Registration, - - - - -	83
Laboratory fees, - - - - -	86	Regulations, General, - - - - -	83
Latin, - - - - -	37	Religious services, - - - - -	85
Latin-Scientific course, - 26, 31, 77		Required studies, - - - 26, 47, 76, 79	
Lectures, Departmental, etc., - 81		Rhetoric, - - - - -	50
Library, - - - - -	91	Romance languages, - - - - -	45
Liquefaction of gases, - - - - -	65	Rooms, - - - - -	8
Loan fund, - - - - -	100	Scholarships, - - - - -	99
Logic, - - - - -	56	Science and Religion, Relations of, 59	
Machine shop, - - - - -	94	Scientific course, - - - 26, 33, 77	
Major studies, - - - - -	80	Seventy-fifth anniversary, - - - - -	121
Mathematical models, - - - - -	94	Social science, - - - - -	53
Mathematics, - - - - -	59	Sociology, - - - - -	54
Metaphysics, - - - - -	58	Spanish, - - - - -	47
Middletown Scientific Association, 81		Special courses, - - - - - 27, 34	
Mineralogical collections, - - 96, 98		Special honors, - - - - -	108
Mineralogy, - - - - -	68	Award of, - - - - -	113
Museum, - - - - -	95	Students, List of, - - - - -	14
Musical organizations, - - - - -	85	Theism, - - - - -	59
Natural history collections, - 95		Trustees, - - - - -	3
Necrology, - - - - -	121	Committees of, - - - - -	7
Observatory, - - - - -	92	Tuition, - - - - -	86
Paleontology, - - - - -	67	Wesley bicentennial, - - - - -	120
Philosophy, - - - - -	56	Women, Admission of, - - - - -	36
Physical geography, - - - - -	67	Expenses of, - - - - -	86, 87
Physics, - - - - -	61, 90, 93	Y. M. C. A., - - - - -	85
Physiology, - - - - -	69	Zoological collections, - - 96, 98	
Political economy, - - - - -	53	Zoology, - - - - -	69



75.75
X5
UNIV. OF MICH

FEB 6 1909

Vol. 2

JANUARY, 1909

No. 4

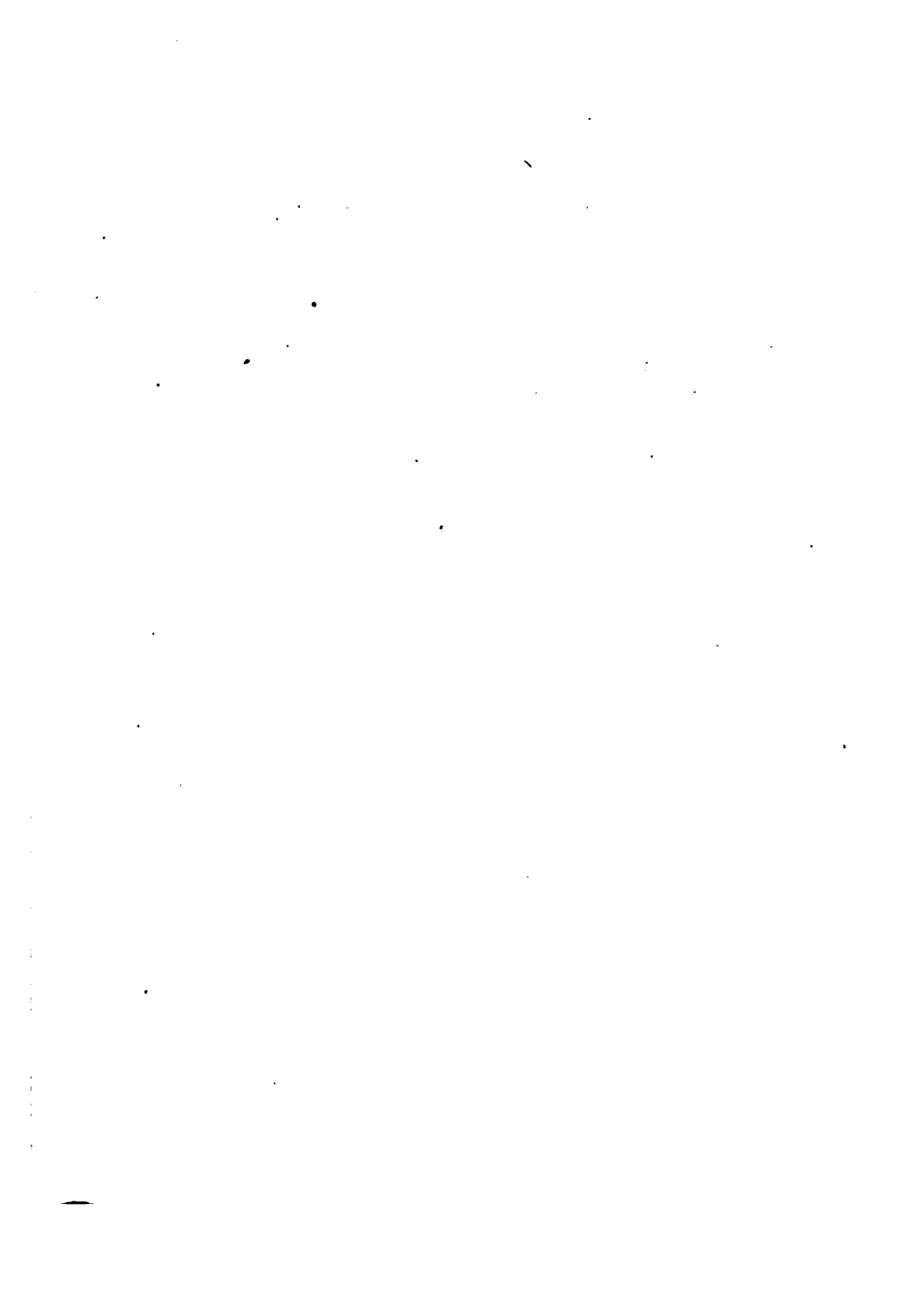
—THE—
WESLEYAN UNIVERSITY
BULLETIN

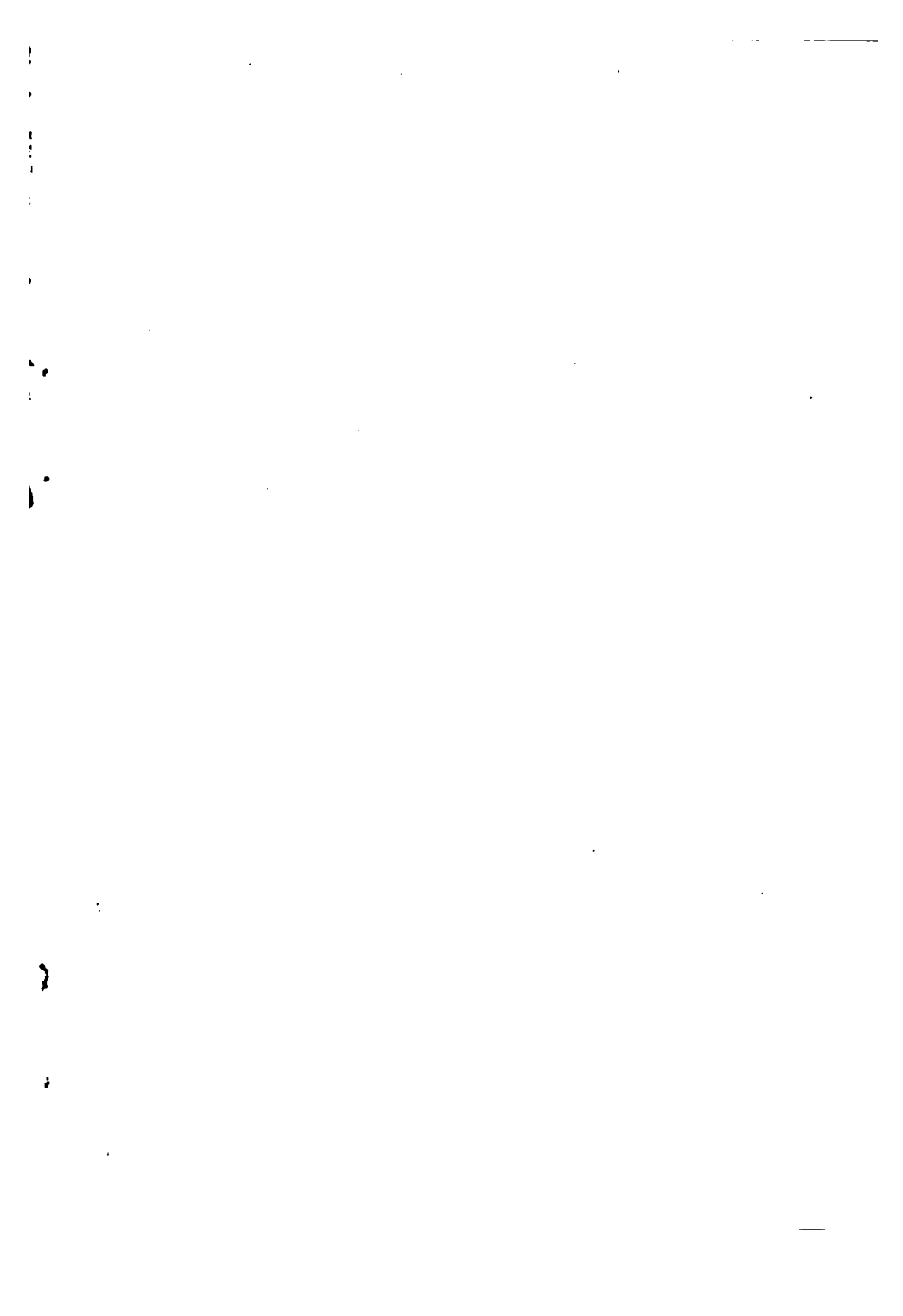


CATALOGUE NUMBER

1908-1909

—
MIDDLETOWN, CONN.:
PELTON & KING, PRINTERS AND BOOKBINDERS.
1909.







COPYRIGHT 1908, W. T. LITTIG & CO.

FROM A PHOTOGRAPH BY W. T. LITTIG & CO., NEW YORK.

WESLEYAN UNIVERSITY.

CATALOGUE

OF

WESLEYAN UNIVERSITY

1908-1909



MIDDLETOWN, CONN.
MD. CCCCIX.

THE WESLEYAN UNIVERSITY BULLETIN

Published by the University four times a year in May, June, December, and January.
Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown,
Connecticut, under the Act of Congress of July 16, 1894.

BOARD OF TRUSTEES.

HENRY CRUISE MURPHY INGRAHAM, LL. D., PRES.,
16 Court St., Brooklyn, N. Y.

REV. DAVID GEORGE DOWNEY, D. D., SECRETARY,
57 Washington St., Chicago, Ill.

CLINTON DEWITT BURDICK, M. A., TREASURER,
175 Remsen St., Brooklyn, N. Y.

THE PRESIDENT OF THE UNIVERSITY,
(Member ex officio), Middletown.

TERM EXPIRES IN JUNE, 1909.

† REV. DANIEL CLARK KNOWLES, D. D.,
Tilton, N. H.

† REV. FRANK MASON NORTH, D. D.,
150 Fifth Ave., New York, N. Y.

† REV. ISAAC HARRISON WHITTIER WHARFF, D. D.,
Winterport, Me.

† REV. WILBUR FISK HOLMES, M. A.,
Farmington, Me.

TERM EXPIRES IN JUNE, 1910.

REV. BP. CYRUS DAVID FOSS, D. D., LL. D.,
2043 Arch St., Philadelphia, Pa.

REV. JOSEPH ELIJAH KING, PH. D., D. D.,
Fort Edward, N. Y.

WESLEYAN UNIVERSITY.

REV. WILLIAM VALENTINE KELLEY, D. D.,
150 Fifth Ave., New York, N. Y.

HON. WATSON CARVOSSO SQUIRE, B. A.,
Seattle, Wash.

ALBERT RANDOLPH CRITTENDEN,
Middletown.

JOHN GRIBBELL,
1513 Race St., Philadelphia, Pa.

JAMES GARDNER SHEPHERD,
Scranton, Pa.

§ STEPHEN HENRY OLIN, LL. D.,
32 Nassau St., New York, N. Y.

§ CHARLES SCOTT, M. A.,
Overbrook, Pa.

† REV. ANDREW JACKSON COULTAS, JR., D. D.,
103 Oak St., Fall River, Mass.

† REV. WILLIAM JOHN CHAPMAN, M. A.,
South Glens Falls, N. Y.

TERM EXPIRES IN JUNE, 1911.

HON. DAVID WARD NORTHROP, M. A.,
Middletown.

CEPHAS BRAINERD ROGERS,
Meriden.

HON. JOHN EMORY ANDRUS, B. A.,
299 Broadway, New York, N. Y.

HENRY HOBART BENEDICT,
216 Bishop St., New Haven.

CHARLES GIBSON,
Albany, N. Y.

CLINTON DEWITT BURDICK, M. A.,
175 Remsen St., Brooklyn, N. Y.

REV. WILLIAM INGRAHAM HAVEN, D. D.,
Bible House, Astor Place, New York, N. Y.

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
16 Court St., Brooklyn, N. Y.

§ GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

† REV. ABRAHAM JOHN PALMER, D. D.,
Milton, N. Y.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
Towanda, Pa.

TERM EXPIRES IN JUNE, 1912.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

HENRY CRUISE MURPHY INGRAHAM, LL. D.,
16 Court St., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

SAMUEL WOOD BOWNE,
Pearl and Rose Sts., New York, N. Y.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, LL. D.,
Newport, R. I.

§ REV. DAVID GEORGE DOWNEY, D. D.,
57 Washington St., Chicago, Ill.

† WILLIAM PERRY BILLINGS,
98 S. River St., Wilkes-Barre, Pa.

† REV. WARREN LANNING HOAGLAND, D. D.,
Stapleton, N. Y.

† REV. CHARLES EDWARD DAVIS, M. A.,
Dorchester Centre, Mass.

TERM EXPIRES IN OCTOBER, 1912.

HON. WILLIAM CONNELL,
Scranton, Pa.

GEORGE SLOCUM BENNETT, M. A.,
Wilkes-Barre, Pa.

CHARLES LEE ROCKWELL,
Meriden.

REV. AZEL WASHBURN HAZEN, D. D.,
Middletown.

WILLIAM EDWIN SESSIONS,
Bristol.

JOHN THOMAS PORTER,
Scranton, Pa.

§ HON. MARTIN AUGUSTINE KNAPP, LL. D.,
Washington, D. C.

§ THEODORE E. HANCOCK, LL. D.,
Syracuse, N. Y.

† REV. WILLIAM MONROE NEWTON, B. A.,
Springfield, Vt.

† REV. ALBERT PEARNE PALMER, M. A.,
Waterville, N. Y.

TERM EXPIRES IN OCTOBER, 1913.

REV. CHARLES HENRY BUCK, D. D.,
409 N. Broadway, Yonkers, N. Y.

HON. PHINEAS CHAPMAN LOUNSBURY, LL. D.,
257 Broadway, New York, N. Y.

GEORGE SILAS COLEMAN, LL. D.,
154 Nassau St., New York, N. Y.

JOHN EDGAR LEAYCRAFT,
311 West End Ave., New York, N. Y.

CYRUS DANIEL JONES,
Scranton, Pa.

§ WEBSTER ROGERS WALKLEY, M. A.,
27 Murray St., New York, N. Y.

§ FREDERIC WILCOX CLARKE, B. S.,
104 South St., Boston, Mass.

† REV. DAVID HOWARD TRIBOU, D. D.,
Naval Home, Philadelphia, Pa.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the first day of October following election.

COMMITTEES OF THE BOARD OF TRUSTEES.

GENERAL EXECUTIVE COMMITTEE.

THE PRESIDENT OF THE UNIVERSITY (*Ex officio*).

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

SAMUEL WOOD BOWNE.

HENRY CRUISE MURPHY INGRAHAM, LL.D.

REV. DAVID GEORGE DOWNEY, D. D.

STEPHEN HENRY OLIN, LL.D.

REV. FRANK MASON NORTH, D. D.

HON. GEORGE GREENWOOD REYNOLDS, LL.D.

LOCAL EXECUTIVE COMMITTEE.

THE PRESIDENT OF THE UNIVERSITY (*Ex officio*).

HON. DAVID WARD NORTHROP, M. A.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

FINANCE COMMITTEE.

HENRY CRUISE MURPHY INGRAHAM, LL.D.
HON. GEORGE GREENWOOD REYNOLDS, LL.D.
CHARLES LEE ROCKWELL.
CLINTON DEWITT BURDICK, M. A.
JOHN EDGAR LEAYCRAFT.

COMMITTEE ON THE BOARD OF INSTRUCTION.

REV. WILLIAM VALENTINE KELLEY, D. D.
REV. WILLIAM INGRAHAM HAVEN, D. D.
STEPHEN HENRY OLIN, LL.D.
REV. JAMES MONROE BUCKLEY, D. D., LL.D.
REV. WARREN LANNING HOAGLAND, D. D., LL.D.
REV. FRANK MASON NORTH, D. D.

VISITING COMMITTEE.

CHARLES SCOTT, M. A.
REV. DAVID GEORGE DOWNEY, D. D.
REV. FRANK MASON NORTH, D. D.

FACULTY.

REV. WILLIAM ARNOLD SHANKLIN, D. D., LL. D.,
PRESIDENT-ELECT.

JOHN MONROE VAN VLECK, LL. D.,
FISK PROFESSOR OF MATHEMATICS AND ASTRONOMY, *Emeritus.*
168 Church St.

REV. WILLIAM NORTH RICE, PH. D., LL. D.,
ACTING PRESIDENT,
AND G. I. SENEY PROFESSOR OF GEOLOGY.
(11 J. H.) 31 College Place.

CALEB THOMAS WINCHESTER, L. H. D.,
OLIN PROFESSOR OF ENGLISH LITERATURE.
(21 F. H.) 342 High St.

† REV. BRADFORD PAUL RAYMOND, D. D., LL. D.,
WAITE PROFESSOR OF THE ENGLISH BIBLE.

* * * * *

A. V. STOUT PROFESSOR OF MORAL PHILOSOPHY.

MORRIS BARKER CRAWFORD, M. A.,
FOSS PROFESSOR OF PHYSICS.
(38 S. L.) 197 High St.

HERBERT WILLIAM CONN, PH. D.,
DANIEL AYRES PROFESSOR OF BIOLOGY.
(5 J. H.) 167 High St.

† On leave of absence.

WESLEYAN UNIVERSITY.

II

ANDREW CAMPBELL ARMSTRONG, PH. D.,

WILLIAM GRIFFIN PROFESSOR OF PHILOSOPHY.

(26 F. H.) 166 High St.

WILLIAM EDWARD MEAD, PH. D.,

PROFESSOR OF THE ENGLISH LANGUAGE.

(27 F. H.) 165 Broad St.

KARL POMEROY HARRINGTON, M. A.,

ROBERT RICH PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.

(30 F. H.) 203 High St.

WILLIAM JOHN JAMES, M. A.,

LIBRARIAN.

(Library) 162 Church St.

FRANK WALTER NICOLSON, M. A.,

SECRETARY OF THE FACULTY, AND ASSOCIATE PROFESSOR OF LATIN.

(1 S. C.) 311 High St.

WALTER PARKE BRADLEY, PH. D.,

E. B. NYE PROFESSOR OF CHEMISTRY.

(2 J. H.) 256 College St.

OSCAR KUHNS, L. H. D.,

HOLLIS PROFESSOR OF ROMANCE LANGUAGES.

(38 F. H.) 170 High St.

WILLARD CLARK FISHER, B. A.,

PROFESSOR OF ECONOMICS AND SOCIAL SCIENCE.

(33 F. H.) 25 College Place.

WILLIAM ARTHUR HEIDEL, PH. D.,

JANE A. SENEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.

(35 F. H.) 41 Lawn Ave.

RAYMOND DODGE, PH. D.,

J. W. BEACH PROFESSOR OF PSYCHOLOGY.

(22 F. H.) 107 Lawn Ave.

WESLEYAN UNIVERSITY.

JOHN WESLEY WETZEL, PH. D.,

INSTRUCTOR IN PUBLIC SPEAKING.

16 Dwight St., New Haven.

WALTER GUYTON CADY, PH. D.,

CHARLOTTE AUGUSTA AYRES PROFESSOR OF PHYSICS.

(14 S. L.) 69 High St.

ROBERT HERNDON FIFE, JR., PH. D.,

MARCUS L. TAFT PROFESSOR OF THE GERMAN LANGUAGE AND LITERATURE.

(34 F. H.) 240 College St.

RALPH CLEWELL SUPER, M. A.,

INSTRUCTOR IN MODERN LANGUAGES.

20 O. H.

GEORGE MATTHEW DUTCHER, PH. D.,

HEDDING PROFESSOR OF HISTORY.

(16 F. H.) 19 O. H.

JOSEPH WILLIAM HEWITT, PH. D.,

ASSOCIATE PROFESSOR OF LATIN AND GREEK.

310 William St.

LEROY ALBERT HOWLAND, M. A.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

51 Wyllys Ave.

BURTON HOWARD CAMP, M. A.,

INSTRUCTOR IN MATHEMATICS.

11 Brainerd Ave.

JOHN WILLIAM TURRENTINE, PH. D.,

INSTRUCTOR IN CHEMISTRY.

6 S. C.

RAEMER REX RENSHAW, PH. D.,

INSTRUCTOR IN CHEMISTRY.

(1 J. H.) 14 O. H.

WESLEYAN UNIVERSITY.

13

LOUIS BLISS GILLET, B. A.,

INSTRUCTOR IN ENGLISH.

13 S. C.

DAVID DAY WHITNEY, M. A.,

INSTRUCTOR IN BIOLOGY.

12 S. C.

ISAIAH BOWMAN, B. S.,

INSTRUCTOR IN PHYSICAL GEOGRAPHY.

203 York St., New Haven.

ALEXANDER CHILSON STEVENS, M. E.,

INSTRUCTOR IN DESCRIPTIVE GEOMETRY, AND ASSISTANT IN PHYSICS.

13 O. H.

SAMUEL WARD LOPER, M. A.,

CURATOR OF THE MUSEUM.

(13 J. H.) 287 College St.

HOWARD ROLAND REITER, M. A.,

DIRECTOR OF THE GYMNASIUM.

(Gymnasium) Home Ave.

MARGUERITE MORGAN VAN BENSCHOTEN, B. A.,

ASSISTANT LIBRARIAN.

162 Church St.

ROBERT EPHRAIM FINLAY, B. S.,

ASSISTANT IN CHEMISTRY.

16 O. H.

MARY ABBIE RICHARDSON,

ASSISTANT IN THE LIBRARY.

57 Brainerd Ave.

JULIA BRAZOS, PH. B.,

DEAN OF WOMEN.

(Webb Hall) 136 High St.

COMMITTEES OF THE FACULTY.

COURSE OF STUDY.

THE PRESIDENT, PROFESSORS RICE, CRAWFORD, MEAD,
KUHN, HEIDEL, DODGE.

GRADUATE STUDY.

PROFESSORS CRAWFORD, ARMSTRONG, HEIDEL.

ADMINISTRATION.

THE PRESIDENT, PROFESSOR RICE, MR. JAMES,
PROFESSORS NICOLSON, FISHER.

CONFERENCE WITH STUDENTS.

THE PRESIDENT, PROFESSORS RICE, CONN, BRADLEY,
DODGE, FIFE.

CATALOGUE.

MR. JAMES (Editor), PROFESSORS NICOLSON, CADY,
HOWLAND.

BULLETIN.

PROFESSORS WINCHESTER, MEAD, DUTCHER, HEWITT.

ATHLETIC AND MUSICAL ORGANIZATIONS.

PROFESSORS NICOLSON, BRADLEY, FIFE.

PUBLIC LITERARY EXERCISES.

PROFESSORS WINCHESTER, MEAD, KUHN, FISHER, DUTCHER.

SPECIAL HONORS.

PROFESSORS BRADLEY, HARRINGTON, FISHER, CADY.

LOANS, EVANS AND LOVELAND SCHOLARSHIPS.

THE PRESIDENT, MR. JAMES, PROFESSOR NICOLSON.

STUDENTS.



GRADUATE STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Robert Ephraim Finlay, B. S., CHEMISTRY.	<i>Amherst Head, N. S.</i>	16 O. H.
Maynard Thompson Hazen, B. A. (Williams College), BIOLOGY, CHEMISTRY.	<i>Middletown.</i>	<i>299 Court St.</i>
Frederick Elisha Shapleigh, B. S., ENGLISH LITERATURE, PHILOSOPHY, ENGLISH LANGUAGE, ECONOMICS.	<i>Center Lebanon, Me.</i>	7 S. C.
Marguerite Morgan Van Benschoten, B. A., ECONOMICS, ENGLISH LITERATURE.	<i>Upper Montclair, N. J.</i>	<i>162 Church St.</i>

SENIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
Ernest Francis Amy,	<i>East Bangor, Pa.</i>	7 S. C.
Merwyn Light Aultman,	<i>Cincinnati, Ohio.</i>	<i>Eclectic House.</i>
Raimond Duy Baird,	<i>New York, N. Y.</i>	B. Θ. Π. <i>House.</i>
Percy Haven Baker,	<i>Rockland, Me.</i>	Δ. Τ. Δ. <i>House.</i>
William Rinehart Barbour,	<i>Bristol, Ind.</i>	Υ. Τ. <i>House.</i>
Stanley Gilman Barker,	<i>Worcester, Mass.</i>	Δ. Κ. Ε. <i>House.</i>
† Frisbie J. Bates,	<i>Stamford.</i>	K. P. Σ. <i>House.</i>
Gilbert Haven Bishop,	<i>Glyndon, Md.</i>	A. Δ. Φ. <i>House.</i>
Raymond Hills Brewer,	<i>East Hartford.</i>	B. Θ. Π. <i>House.</i>
Charles Pratt Canham,	<i>Saco, Me.</i>	<i>Eclectic House.</i>
Frank Everett Carruth,	<i>Cohoes, N. Y.</i>	<i>Foss House.</i>
Roy Bullard Chamberlin,	<i>Dallas, Pa.</i>	Υ. Τ. <i>House.</i>
Herbert Lee Connelly,	<i>Upper Montclair, N. J.</i>	<i>Eclectic House.</i>
James Franklin Cowan,	<i>Boston, Mass.</i>	A. Δ. Φ. <i>House.</i>
John Henry Cox,	<i>Wilkes-Barre, Pa.</i>	Υ. Τ. <i>House.</i>
† Clarence Mulford Day,	<i>Morristown, N. J.</i>	A. Δ. Φ. <i>House.</i>
† Rollin Colegrove Dean,	<i>Summit, N. J.</i>	Υ. Τ. <i>House.</i>
† Edmund Doremus,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
John Gottfried Frey,	<i>Luzerne, Pa.</i>	K. P. Σ. <i>House.</i>
Frederick Herbert Gilman,	<i>Winterport, Me.</i>	Δ. Κ. Ε. <i>House.</i>
Philip Lombard Given,	<i>Newark, N. J.</i>	<i>Eclectic House.</i>
Frederic Squires Gorham,	<i>Highwood.</i>	Χ. Ψ. <i>Lodge.</i>
† Horace Stanton Griffing,	<i>Guilford.</i>	Δ. Κ. Ε. <i>House.</i>
William Morgan Grigson,	<i>South Framingham, Mass.</i>	Δ. Τ. Δ. <i>House.</i>
† Harold Seymour Guy,	<i>Middletown.</i>	Χ. Ψ. <i>Lodge.</i>
† Raymond Israel Hall,	<i>Mill Hall, Pa.</i>	6 O. H.
† Albert Scott Hamilton,	<i>Milton, Mass.</i>	B. Θ. Π. <i>House.</i>
† Maurice Adelbert Hammond,	<i>Saratoga Spa, N. Y.</i>	<i>Foss House.</i>
John Tiebout Hancock,	<i>Brooklyn, N. Y.</i>	Υ. Τ. <i>House.</i>
† Dudley Harmon,	<i>Meriden.</i>	18 O. H.
† John Tooke Harp,	<i>Oneonta, N. Y.</i>	<i>Foss House.</i>
Oscar Fred Hedenburg,	<i>Worcester, Mass.</i>	B. Θ. Π. <i>House.</i>
† Frank Lewis Hewitt,	<i>Winsted.</i>	Υ. Τ. <i>House.</i>

NAMES.	RESIDENCES.	ROOMS.
† Sidney Edwin Kent,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
Frank Howard Kidder,	<i>Winsted.</i>	<i>Eclectic House.</i>
Harold Clarence Kilbourne,	<i>Union, N. Y.</i>	<i>B. Θ. Π. House.</i>
† William Ernest Leighton,	<i>Portland, Me.</i>	<i>Δ. T. Δ. House.</i>
Waldo Bross MacLean,	<i>New York, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† John Joseph Marrinan,	<i>Woburn, Mass.</i>	<i>Δ. K. E. House.</i>
Frederic Louis Maxim,	<i>New York, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Arthur Henry Middlemass,	<i>New Britain.</i>	<i>Foss House.</i>
† Carleton Friend Miller,	<i>Wallingford.</i>	<i>K. P. Σ. House.</i>
David deWitt Miller,	<i>Greenwich.</i>	<i>Δ. T. Δ. House.</i>
Eric McCoy North,	<i>New York, N. Y.</i>	<i>Eclectic House.</i>
† William Henry Odell, Jr.,	<i>Norwalk.</i>	<i>Δ. K. E. House.</i>
John Gregg Paine,	<i>Columbia, Pa.</i>	<i>X. Ψ. Lodge.</i>
Robert Nelson Patterson,	<i>Portland.</i>	<i>Foss House.</i>
Charles Sylvester Preble,	<i>South Brewer, Me.</i>	<i>Foss House.</i>
† Chester Allen Rich,	<i>Provincetown, Mass.</i>	<i>K. P. Σ. House.</i>
George Wilson Roberts,	<i>Wethersfield.</i>	<i>Wethersfield.</i>
Frank Alton Shailer,	<i>New Britain.</i>	<i>Δ. T. Δ. House.</i>
† Melvin Asa Shaw,	<i>East Longmeadow, Mass.</i>	<i>Foss House.</i>
Clarence McKinlay Sherwood,	<i>Albany, N. Y.</i>	<i>Foss House.</i>
Henry Robertson Skeel,	<i>New York, N. Y.</i>	<i>X. Ψ. Lodge.</i>
George Batchelder Soule,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
Frank Hatch Streightoff,	<i>Brooklyn, N. Y.</i>	<i>Foss House.</i>
† Willis Mitchell Tate,	<i>Waterbury.</i>	<i>Δ. K. E. House.</i>
William Elmer Traxler,	<i>Rohrsburg, Pa.</i>	<i>Foss House.</i>
† Montgomery Rea Trimmer,	<i>Hackettstown, N. J.</i>	<i>X. Ψ. Lodge.</i>
Horace Glenn White,	<i>Brooklyn, N. Y.</i>	<i>K. P. Σ. House.</i>
Clinton Fiske Wilding,	<i>Perth Amboy, N. J.</i>	<i>Ψ. T. House.</i>
William Rulon Williamson,	<i>Waterport, N. Y.</i>	<i>7 s. c.</i>
Stanley Davis Wilson,	<i>Searsmont, Me.</i>	<i>Foss House.</i>
† Wilhelm Albert Wintter,	<i>Bridgeport.</i>	<i>Ψ. T. House.</i>
Harvey Alden Wooster,	<i>New Britain.</i>	<i>Foss House.</i>
† Ethel Clara Burr,	<i>Higganum.</i>	<i>Webb Hall.</i>
Jessie Abbott Johnson,	<i>Eastham, Mass.</i>	<i>Webb Hall.</i>
† Anna Belle Knowles,	<i>Springfield, Mass.</i>	<i>Webb Hall.</i>
Rosa Mary Palladino,	<i>Montclair, N. J.</i>	<i>Webb Hall.</i>
Carrie Belle Spafard,	<i>Glastonbury.</i>	<i>31 Broad St.</i>

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
William Ketcham Anderson,	<i>Chattanooga, Tenn.</i>	<i>Eclectic House.</i>
Roger Whiting Bacon,	<i>Middletown.</i>	<i>Y. Y. House.</i>
† Robert Edwin Beaton,	<i>Woburn, Mass.</i>	<i>Δ. K. E. House.</i>
† Milton Lanyon Bennett,	<i>South Meriden.</i>	<i>Foss House.</i>
† Sanford Tiffany Bennett,	<i>Brooklyn, N. Y.</i>	<i>Y. Y. House.</i>
Walter Parks Bliss,	<i>Montclair, N. J.</i>	<i>X. Y. Lodge.</i>
Harold Morton Bower,	<i>Milwaukee, Wis.</i>	<i>A. Δ. Φ. House.</i>
Darrell Sully Boyd,	<i>Rochester, N. Y.</i>	<i>Eclectic House.</i>
George Swift Brengle,	<i>Amenia Union, N. Y.</i>	<i>Eclectic House.</i>
Robert Parsons Bridge,	<i>Hazardville.</i>	<i>B. Θ. Π. House.</i>
† Harlow Butterfield Bristol,	<i>Buenos Ayres, S. A.</i>	<i>A. Δ. Φ. House.</i>
Walter Henry Brown,	<i>Bridgeport.</i>	<i>115 Broad St.</i>
John Porter Burnham,	<i>North Windham.</i>	<i>Foss House.</i>
Roy Livingston Burns,	<i>Port Chester, N. Y.</i>	<i>B. Θ. Π. House.</i>
Cornelius Hartley Cables,	<i>Waterbury.</i>	<i>K. P. Σ. House.</i>
† Louis George Connor,	<i>Washington, D. C.</i>	<i>Δ. T. Δ. House.</i>
Paul Gill Dennis,	<i>Newark, N. J.</i>	<i>Δ. K. E. House.</i>
† Earl deWitt Deremer,	<i>Hackettstown, N. J.</i>	<i>B. Θ. Π. House.</i>
Carl Whitman Doxsee,	<i>Bay Shore, N. Y.</i>	<i>161 High St.</i>
Thomas Charles Flood,	<i>Portland.</i>	<i>Portland.</i>
Willis Alexander Gibbons,	<i>Long Island City, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Raymond Livingston Gillispie,	<i>Brooklyn, N. Y.</i>	<i>Y. Y. House.</i>
Warren Wilmot Hamilton,	<i>Philadelphia, Pa.</i>	<i>Δ. K. E. House.</i>
Edward Raymond Hance,	<i>Wharton, N. J.</i>	<i>A. Δ. Φ. House.</i>
† Albert Folsom Harlow,	<i>Bridgeport.</i>	<i>B. Θ. Π. House.</i>
Edwin Thomas Harman,	<i>New Rochelle, N. Y.</i>	<i>Y. Y. House.</i>
John Walter Hart,	<i>Hartford.</i>	<i>K. P. Σ. House.</i>
† Julian Stevens Hayward,	<i>Middletown.</i>	<i>288 College St.</i>
Howard Levering Hill,	<i>Morristown, Tenn.</i>	<i>Eclectic House.</i>
Winfred Byron Holton, Jr.,	<i>Indianapolis, Ind.</i>	<i>Y. Y. House.</i>
William Ludlow James,	<i>Montclair, N. J.</i>	<i>Δ. T. Δ. House.</i>
Jason Shepherd Joy,	<i>Oswego, N. Y.</i>	<i>Y. Y. House.</i>
Howard Butler Merritt,	<i>Cameron, W. Va.</i>	<i>Y. Y. House.</i>

NAMES.	RESIDENCES.	ROOMS.
Vincent Edwards Mitchell,	<i>Pittston, Pa.</i>	<i>X. ♀. Lodge.</i>
Alfred Douglass Moore,	<i>Wellsburg, W. Va.</i>	<i>Eclectic House.</i>
† Arthur Clyde Moore,	<i>Chicago, Ill.</i>	<i>Δ. K. E. House.</i>
Ernest Frederick Neumann, Jr.,	<i>New Britain.</i>	<i>Δ. T. Δ. House.</i>
† Charles Haverly Oswald,	<i>Rensselaerville, N. Y.</i>	<i>K. P. Σ. House.</i>
Harrison Edgar Persons,	<i>Maynard, Mass.</i>	<i>Foss House.</i>
Harry Hathaway Pethick,	<i>Tyler Hill, Pa.</i>	<i>X. ♀. Lodge.</i>
† Peter August Pfeiffer,	<i>Hoboken, N. J.</i>	<i>Eclectic House.</i>
† Samuel Powell,	<i>Clearfield, Pa.</i>	<i>A. Δ. Φ. House.</i>
Paul North Rice,	<i>Newton, Mass.</i>	<i>Eclectic House.</i>
Arnold Franklin Rich,	<i>Barre, Mass.</i>	<i>X. ♀. Lodge.</i>
Jesse David Roberts,	<i>Glens Falls, N. Y.</i>	<i>Foss House.</i>
Francis Finley Robinson,	<i>Ocean Grove, N. J.</i>	<i>Δ. T. Δ. House.</i>
Richard Homer Schmidt,	<i>Bridgeport.</i>	<i>Foss House.</i>
Carl Bierwirth Searing,	<i>Dover, N. J.</i>	<i>B. Θ. Π. House.</i>
Harold Cleaves Shaw,	<i>Strong, Me.</i>	<i>K. P. Σ. House.</i>
Frank Seymour Smith,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
Irving LeRoy Smith,	<i>East Norwalk.</i>	<i>Foss House.</i>
George Machin Stockdale,	<i>New York, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Clyde Bronson Stuntz,	<i>Madison, N. J.</i>	<i>Δ. T. Δ. House.</i>
† Griffin B. Townsend,	<i>Penn Yan, N. Y.</i>	<i>Δ. T. Δ. House.</i>
Arthur T. Vanderbilt,	<i>Newark, N. J.</i>	<i>Δ. K. E. House.</i>
† Henry Carlos Wilcox,	<i>Winsted.</i>	<i>♀. Y. House.</i>
† Alfred Redfield Wright,	<i>Centerbrook.</i>	<i>A. Δ. Φ. House.</i>
† Clara Catherine Angus,	<i>Hartford.</i>	<i>Webb Hall.</i>
Margaret Crawford,	<i>Middletown.</i>	<i>197 High St.</i>
Marion Wilson Greene,	<i>Bridgeport.</i>	<i>Webb Hall.</i>
Agnes Nora Hogan,	<i>Hartford.</i>	<i>Webb Hall.</i>
Annie Bacon Lewis,	<i>Middletown.</i>	<i>23 Loveland St.</i>
Esther Elizabeth Parker,	<i>Naugatuck.</i>	<i>Webb Hall.</i>
Ruth Almira Swan,	<i>Middletown.</i>	<i>3 Baldwin Ave.</i>
Ruth Weeks Sykes,	<i>Whitinsville, Mass.</i>	<i>Webb Hall.</i>
Agnes Treadway Thompson,	<i>Middletown.</i>	<i>13 Cross St.</i>
Johanna Maria Elizabeth Zeilitz,	<i>Middletown.</i>	<i>306 William St.</i>

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
William David Anderson,	<i>Jersey City, N. J.</i>	Δ. T. Δ. House.
Francis David Andrews,	<i>Ellenville, N. Y.</i>	Δ. T. Δ. House.
John Wesley Edward Bowen, Jr.,	<i>Atlanta, Ga.</i>	39 N. C.
Frank Chaplain Brodhead,	<i>Philadelphia, Pa.</i>	Υ. Y. House.
Samuel Lawrence Bullock,	<i>Mount Holly, N. J.</i>	79 N. C.
Harvey Franklin Connor,	<i>Troy, N. Y.</i>	Δ. T. Δ. House.
Robert Warren Conover,	<i>Riverside, N. J.</i>	79 N. C.
Wilfred Lowrey Cook,	<i>Newark, N. J.</i>	53 N. C.
† Elwood North Cornell,	<i>Brooklyn, N. Y.</i>	62 N. C.
† Frank Twitchell Davis,	<i>Middletown.</i>	Δ. K. E. House.
Wesley Morton Davis,	<i>Kingston, Pa.</i>	92 N. C.
† Robert Garrett DeBow,	<i>Philadelphia, Pa.</i>	A. Δ. Φ. House.
Benjamin Minter Denniston,	<i>Old Mystic.</i>	Foss House.
Thomas John Dodd,	<i>Shelton.</i>	Foss House.
Robert Everitt,	<i>Paterson, N. J.</i>	B. Θ. Π. House.
Stewart Alexander Farrell,	<i>Ocean Grove, N. J.</i>	50 N. C.
Ferdinand Wardell Gratz Fenderson,	<i>New Haven.</i>	64 N. C.
Abraham Lincoln Fretz,	<i>Perkasie, Pa.</i>	101 N. C.
Harold Putnam Frost,	<i>St. Johnsbury, Vt.</i>	33 N. C.
Franklin Seymour Garman,	<i>Camden, N. J.</i>	67 N. C.
Harrison Claude Hardy,	<i>Hop Bottom, Pa.</i>	B. Θ. Π. House.
Clark Williams Hildreth,	<i>Newtonville, Mass.</i>	Δ. T. Δ. House.
† Kenneth Evans Hildreth,	<i>Flushing, N. Y.</i>	Δ. K. E. House.
Vincent Weaver Jones,	<i>Brooklyn, N. Y.</i>	Υ. Y. House.
William Crawford Judd,	<i>Bristol.</i>	Foss House.
† Joseph Jonathan Kelsey,	<i>Clinton.</i>	Δ. T. Δ. House.
Willard Potter Lewis,	<i>New York, N. Y.</i>	30 N. C.
Bertram Malcolm McBride,	<i>Brownsville, Vt.</i>	B. Θ. Π. House.
† Rodney Rathbone McCathran,	<i>Washington, D. C.</i>	A. Δ. Φ. House.
† Burton Leroy Mallory,	<i>East Branch, N. Y.</i>	Δ. T. Δ. House.
† Fred Elmer Mansfield,	<i>Middletown.</i>	Foss House.
† Frank Raymond Marsh,	<i>Scranton, Pa.</i>	74 N. C.
Leon Amby Maynard,	<i>Hartford, N. Y.</i>	Δ. T. Δ. House.
William Randolph Montgomery,	<i>Stamford.</i>	Υ. Y. House.
Joe Morningstar, Jr.,	<i>New York, N. Y.</i>	Δ. K. E. House.

NAMES.	RESIDENCES.	ROOMS.
Fales Newhall,	<i>Somerville, Mass.</i>	44 N. C.
Robert Clinton Norton,	<i>Brooklyn, N. Y.</i>	62 N. C.
Andrew Graham Osborne,	<i>Montclair, N. J.</i>	X. ♀. Lodge.
Constantine Marius Panunzio,	<i>Molfetta, Italy.</i>	2 O. H.
William Edwin Parker,	<i>Danvers, Mass.</i>	B. Θ. Π. House.
† Elwyn Clark Parlin,	<i>South Framingham, Mass.</i>	Foss House.
† Perry Dennis Glenford Pennington,	<i>Baltimore, Md.</i>	39 N. C.
† Harold Van Houten Proskey,	<i>Paterson, N. J.</i>	51 N. C.
Howard William Reynolds,	<i>Wassaic, N. Y.</i>	33 N. C.
Wesley Everett Rich,	<i>Newton, Mass.</i>	Δ. K. E. House.
† Walter Edmond Robson,	<i>Hoosick Falls, N. Y.</i>	Δ. K. E. House.
† John Ross,	<i>Middletown.</i>	State Hospital.
Charles Morton Sherburne,	<i>Montpelier, Vt.</i>	♀. Y. House.
† William George Shute,	<i>Meriden.</i>	36 N. C.
James Raymond Simmons,	<i>Hobart, N. Y.</i>	Δ. K. E. House.
Frank Lewis Soule,	<i>Montclair, N. J.</i>	67 N. C.
William David Steckley,	<i>Vandorf, Ont., Can.</i>	Foss House.
Winfred Newton Stilwell,	<i>Wayne, Pa.</i>	101 N. C.
Harold Ackermann Storms,	<i>Dobbs Ferry, N. Y.</i>	Foss House.
Andrew Reed Sutherland,	<i>Rochester, N. Y.</i>	44 N. C.
Ralph Schofield Thompson,	<i>Syracuse, N. Y.</i>	91 N. C.
Ralph Bresee Thorpe,	<i>Clyde, N. Y.</i>	B. Θ. Π. House.
† Le Roy Wood,	<i>Nutley, N. J.</i>	36 N. C.
Alling Woodruff,	<i>New York, N. Y.</i>	Δ. Δ. Φ. House.
† Arthur Moulton Wright,	<i>Oakfield, N. Y.</i>	44 N. C.
Henry Merritt Wriston,	<i>Boston, Mass.</i>	Δ. T. Δ. House.
Paul Mortimer Young,	<i>Sayre, Pa.</i>	13 N. C.
Helen Delia Bates,	<i>Middletown.</i>	22 Lawn Ave.
Katharine Strong Bielby,	<i>Middletown.</i>	239 College St.
† Margaret Anna Dutting,	<i>Middletown.</i>	8 Butternut St.
Mildred Webster Flower,	<i>Danbury.</i>	199 S. Main St.
Sarah May Hyde,	<i>Vernon.</i>	Webb Hall.
† Mary Elizabeth Mylchreest,	<i>Middletown.</i>	44 Brainerd Ave.
Mary Niell,	<i>Cromwell.</i>	Webb Hall.
Theresa Louise Say,	<i>Waterbury.</i>	217 College St.
Susie Gay Short,	<i>Bethel.</i>	Webb Hall.
Ruth Elizabeth Snow,	<i>Middletown.</i>	227 Pearl St.
Katie Wilcox,	<i>Chester.</i>	Webb Hall.

FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
† James Bertram Adams,	<i>Bloomfield, N. J.</i>	X. ♀. <i>Lodge.</i>
Morse Shepard Allen,	<i>Brooklyn, N. Y.</i>	89 N. C.
† Ernest Alfred Augur,	<i>Middlefield.</i>	K. P. Σ. <i>House.</i>
† Douglas Earl Bailey,	<i>Oneonta, N. Y.</i>	15 N. C.
Herbert Soley Bain,	<i>Schoharie, N. Y.</i>	35 N. C.
Harry William Bell,	<i>Glen Head, N. Y.</i>	89 N. C.
† Louis Robert Bender,	<i>Stamford.</i>	Δ. T. Δ. <i>House.</i>
Walter Julius Berbecker,	<i>New York, N. Y.</i>	Δ. K. E. <i>House.</i>
† James Gillespie Bishop,	<i>West Haven.</i>	X. ♀. <i>Lodge.</i>
† Paul Brady,	<i>Boston, Mass.</i>	54 N. C.
Patrick Edward Bransfield,	<i>Portland.</i>	<i>Portland.</i>
George Landon Buck,	<i>New London.</i>	38 N. C.
Ralph Whited Burger,	<i>Scranton, Pa.</i>	88 N. C.
Fred Waters Burnham,	<i>Erie, Pa.</i>	21 N. C.
† Harrison Hitchcock Camp,	<i>Waterbury.</i>	57 N. C.
† James Edward Cantwell,	<i>Middletown.</i>	68 <i>Center St.</i>
Harold Payson Cobb,	<i>Searsmont, Me.</i>	3 N. C.
† Heth Griffin Coons,	<i>Stamford, N. Y.</i>	46 N. C.
† Ralph Lockwood Crandell,	<i>Freeport, N. Y.</i>	48 N. C.
† Stanley Benjamin Crowther,	<i>Springfield, Mass.</i>	B. Θ. II. <i>House.</i>
† George Grevatt Davidson,	<i>New York, N. Y.</i>	81 N. C.
† Alexander Keith Davis,	<i>Middletown.</i>	A. Δ. Φ. <i>House.</i>
Wendell Harrison Davis,	<i>Kingslon, Pa.</i>	95 N. C.
William Milton Dederick,	<i>Elizabeth, N. J.</i>	K. P. Σ. <i>House.</i>
Raymond Haskins Drake,	<i>Tilton, N. H.</i>	16 N. C.
Richard William Eaton,	<i>Westfield, Mass.</i>	23 N. C.
† Reginald Gordon Ehlers,	<i>Ocean Grove, N. J.</i>	Δ. K. E. <i>House.</i>
Dwight Ewing,	<i>Ashland, Ohio.</i>	65 N. C.
Louis Carter Flocken,	<i>Willimantic.</i>	77 N. C.
Robert Hinckley Flocken,	<i>Willimantic.</i>	77 N. C.
Howard William Flye,	<i>Holbrook, Mass.</i>	29 N. C.
William Flemer Foulke,	<i>Flushing, N. Y.</i>	X. ♀. <i>Lodge.</i>
† Vincent Clifton Gardner,	<i>Succasunna, N. J.</i>	9 N. C.
† Benjamin Grant,	<i>Stoncham, Mass.</i>	<i>Mt. Vernon St.</i>

NAMES.	RESIDENCES.	ROOMS.
† Charles Emerson Grim,	<i>Brooklyn, N. Y.</i>	21 N. C.
† Harold Nichols Gulick,	<i>Jamaica, N. Y.</i>	73 N. C.
† Frank Mapes Ham,	<i>Westfield, N. J.</i>	46 N. C.
† John Baker Hanna,	<i>Cambridge, N. Y.</i>	Δ. T. Δ. House.
John Wheeler Harding,	<i>Braintree, Mass.</i>	42 N. C.
† Carl Clifford Harvey,	<i>Lower Cabot, Vt.</i>	109 Broad St.
Anton Frederick Haus,	<i>Elizabeth, N. J.</i>	41 N. C.
Dexter Wright Hewitt,	<i>New Haven.</i>	Y. Y. House.
† Harold Morton Hine,	<i>New Haven.</i>	56 N. C.
† Raymond Frederick Hubbard,	<i>Middletown.</i>	R. F. D. No. 1.
† Howard Gardner Husted,	<i>West Haven.</i>	56 N. C.
Henry Strobel Jacobs,	<i>Altoona, Pa.</i>	12 N. C.
David Dallas Jones,	<i>New Orleans, La.</i>	8 N. C.
Edgar Allan Jones,	<i>Wilkes-Barre, Pa.</i>	95 N. C.
Griffith Lloyd Jones,	<i>Utica, N. Y.</i>	1 N. C.
Hubert Darrell Jones,	<i>West Orange, N. J.</i>	57 N. C.
Richard Pratt Jones,	<i>South Windsor.</i>	81 N. C.
† Raymond Starr Kidder,	<i>Winsted.</i>	26 N. C.
† James Herman Klein,	<i>New York, N. Y.</i>	96 N. C.
† Karl Henry Ludwig Leibold,	<i>New York, N. Y.</i>	76 N. C.
Henry Virginius Leonard,	<i>New York, N. Y.</i>	88 N. C.
† Harry Fletcher Lewis,	<i>New York, N. Y.</i>	30 N. C.
Lester Hobart Libby,	<i>Gorham, Me.</i>	2 O. H.
John Rhodes Lindemuth,	<i>York, Pa.</i>	59 N. C.
Thomas Ayres MacClenthen,	<i>Utica, N. Y.</i>	1 N. C.
† Leonard Ernest McCloy,	<i>Mount Vernon, N. Y.</i>	31 N. C.
† Herbert Arthur Maronn,	<i>Meriden.</i>	85 N. C.
† Virgil Hartman Michael,	<i>Washington, D. C.</i>	A. Δ. Φ. House.
Edward Ball Miller,	<i>Madison, N. J.</i>	Δ. T. Δ. House.
William Wesley Miller,	<i>Ransom, Pa.</i>	94 N. C.
† Carl Howard Mitchell,	<i>Portland, Me.</i>	Chafee Hotel.
† Raymond Lee Moore,	<i>Wellsburg, W. Va.</i>	26 N. C.
† Rhys Harrower North,	<i>Montclair, N. J.</i>	69 N. C.
† Donald Ellsworth Parker,	<i>Wallingford.</i>	B. Θ. Π. House.
† Jack Cutter Parker,	<i>Danvers, Mass.</i>	54 N. C.
† Vincent Joseph Pazzetti,	<i>Wellesley Hills, Mass.</i>	61 N. C.
† Edward Henry Perkins,	<i>Tilton, N. H.</i>	80 N. C.
† Lewis Buchanan Piper,	<i>Nyack, N. Y.</i>	86 N. C.

NAMES.	RESIDENCES.	ROOMS.
† Harry Leroy Reynolds,	<i>Stamford.</i>	X. ♀. <i>Lodge.</i>
† William Wesley Reynolds,	<i>Brookline, Mass.</i>	31 N. C.
† John Levi Rice,	<i>New Haven.</i>	X. ♀. <i>Lodge.</i>
Franklin Robbins,	<i>Detroit, Mich.</i>	27 N. C.
† Andrew Raymond Robertson,	<i>Springfield, Mass.</i>	59 N. C.
Lawrence Elwood Rothrock,	<i>Ackermanville, Pa.</i>	69 N. C.
Richard Sutton Rust,	<i>Cincinnati, Ohio.</i>	27 N. C.
† Richard Wetmore Scofield,	<i>Waterbury.</i>	76 N. C.
† Percival Dudley Shepherd,	<i>Wellesley Hills, Mass.</i>	98 N. C.
† Thomas Dudley Shepherd,	<i>Wellesley Hills, Mass.</i>	99 N. C.
William Warder Shepherd,	<i>Oakwood, Ky.</i>	13 <i>Cross St.</i>
Herbert Lincoln Simms,	<i>Braintree, Mass.</i>	29 N. C.
† Arthur Thompson Spencer,	<i>North Haven.</i>	85 N. C.
Louis Sylvester Staples,	<i>Augusta, Me.</i>	3 N. C.
† Milton Stillson,	<i>New Preston.</i>	67 N. C.
Robert Victor Story,	<i>Taunton, Mass.</i>	86 N. C.
Irving Streightoff,	<i>Montclair, N. J.</i>	2 O. H.
† Clarence Allen Strout,	<i>Milbridge, Me.</i>	80 N. C.
† Fred Wilbur Tanner,	<i>Warsaw, N. Y.</i>	4 N. C.
Maurice Eugene Thrasher,	<i>Newton Lower Falls, Mass.</i>	9 N. C.
† Frederick Augustus Tillman,	<i>Sayre, Pa.</i>	53 N. C.
Arthur Harder Van Voris,	<i>Cobleskill, N. Y.</i>	X. ♀. <i>Lodge.</i>
† Edward Couch Vollmer,	<i>New York, N. Y.</i>	12 N. C.
Edgar Watters Wallis,	<i>Ashley, Pa.</i>	94 N. C.
Clement Baldwin Wilcox,	<i>Westfield, N. J.</i>	61 N. C.
Robert Williams,	<i>Sharon, Mass.</i>	44 <i>Mt. Vernon St.</i>
† Harold Clark Wilson,	<i>Freeport, N. Y.</i>	48 N. C.
Hester Wilson Reynolds,	<i>Middletown.</i>	158 <i>South Main St.</i>
Amy Sheldon,	<i>Middletown.</i>	34 <i>Fountain Ave.</i>
Helen Chandler Willis,	<i>Middletown.</i>	360 <i>Washington St.</i>

SPECIAL STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
John William Bransfield,	<i>Portland.</i>	<i>Portland.</i>
Frank Gerald Flood,	<i>Portland.</i>	<i>Portland.</i>
Louis Edward Gebauer,	<i>Canajoharie, N. Y.</i>	<i>161 High St.</i>
James Charles Kingston,	<i>Portland.</i>	<i>Portland.</i>
Francis Joseph O'Brien,	<i>Middletown.</i>	<i>115 Berlin St.</i>
Henry Porter Trefethen,	<i>Kents Hill, Me.</i>	<i>11 O. H.</i>

SUMMARY.

	MEN.	WOMEN.	TOTAL.
GRADUATE STUDENTS,	- - - - 3	I	4
SENIORS, - - - -	65	5	70
JUNIORS, - - - -	57	10	67
SOPHOMORES, - - - -	62	11	73
FRESHMEN, - - - -	99	3	102
SPECIAL STUDENTS, - - - -	6	—	6
Total, - - - -	292	30	322

ABBREVIATIONS.

N. C., - - - -	North College.
S. C., - - - -	South College.
O. H., - - - -	Observatory Hall.
J. H., - - - -	Judd Hall.
F. H., - - - -	Fisk Hall.
S. L., - - - -	Scott Laboratory of Physics.
† - - - -	Scientific Course.

GENERAL STATEMENT.

Courses of Study.—The College presents to its undergraduates the option of two parallel courses of studies, each extending through four years, one leading to the degree of Bachelor of Arts, the other to the degree of Bachelor of Science. Either Latin or Greek is required for admission to the former course. In the Freshman year English is required of students of both courses. The rest of the work is elective from a limited number of courses, with the requirement that a candidate for the B. A. degree must take a three-hour course in either Latin or Greek, and a three-hour course in one of the following: Latin, Greek, Mathematics, Modern Languages; a candidate for the B. S. degree must take the following courses in college, unless he has presented them for admission: *Either* Solid Geometry and Trigonometry *or* Trigonometry and Analytic Geometry; I. and II. French; I. and II. German. In the three remaining years, all the studies are elective, within the limits of a group system. Each student must elect a major study.

Special Courses.—Students who do not desire to complete either of the foregoing courses may receive instruction in such studies as they may select, provided they prove themselves, upon examination, qualified to pursue them with advantage. It should, however, be understood that this provision is intended for the benefit, not of those students who are incompetent to take one of the regular courses, but of those who have already obtained a preliminary education so thorough as to enable them to pursue with advantage extended courses of study in particular departments. Such special students will be expected to attend all exercises assigned them, and will be subject to all the general rules of the college.

Graduate Studies.—Extended instruction is given to those who wish to pursue graduate courses of study in any of the departments. Further information concerning such graduate courses is given in the reports of the several departments on courses of instruction, and also in connection with the statement of conditions for the degrees of Master of Arts and Master of Science.

TERMS OF ADMISSION.

REQUIREMENTS FOR ADMISSION.

Mathematics—Algebra.

Plane Geometry.

English.

History—For B. A. degree, Ancient History and Geography.

For B. S. degree, History of England and of the United States.

From the following enough to make up eight additional points:

	Points.
Latin, two years, Grammar, Caesar, Elementary Com-	
position, - - - - -	2
third year, Cicero, - - - - -	1
fourth year, Vergil's Aeneid; Translation at Sight;	
Composition, - - - - -	1
Greek, two years, Grammar and Xenophon, - - -	2
third year, Homer; Translation at Sight; Composition,	1
Elementary French (2 years), - - - - -	2
Intermediate French (1 year), - - - - -	1
Elementary German (2 years), - - - - -	2
Intermediate German (1 year), - - - - -	1
Mathematics, Solid Geometry and Trigonometry, - -	1
Physics (Theoretical and Practical), - - - - -	1
Chemistry (Theoretical and Practical), - - - - -	1
Physical Geography and Botany, - - - - -	1
Ancient History and Geography, - - - - -	1
History of England and of the United States, - - -	1

Of these optional subjects, candidates for the Bachelor of Arts degree must present either four years of Latin or three years of Greek, and, unless both are offered, one elementary modern language. Candidates for the Bachelor of Science degree must offer one elementary modern language and two courses in science.

REQUIREMENTS IN DETAIL.

MATHEMATICS.

1. Algebra,—Fundamental operations, factors, common divisors and multiples, fractions, negative quantities and the interpretation of negative results, powers and roots, the binomial theorem for positive integral exponents, radicals, equations of the first and second degrees with one or more unknown quantities, putting problems into equations, ratios and proportions, arithmetical and geometrical progressions.

2. Plane geometry, — Demonstrations, constructions, and solutions of numerical problems.

3. Solid geometry.

4. Plane trigonometry, with the use of logarithmic and trigonometric tables.

ENGLISH.

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) power to read with intelligence and appreciation.

To secure the first end, training in grammar and the simpler principles of rhetoric, and the writing of frequent compositions are essential. The candidate must be able to spell, capitalize, and punctuate correctly. He must show a practical knowledge of the essentials of English grammar, including ordinary grammatical terminology, inflections, syntax, the use of phrases and clauses; a thorough training in the construction of the sentence; and familiarity with the simpler principles of paragraph division and structure.

To secure the second end, the candidate is required to read the works named below under A and B. The list is intended to give the candidate the opportunity of reading, under intelligent direction, a number of important pieces of literature.

A. The candidate should read the works prescribed below with a view to understanding and enjoying them. He will be expected to show a reasonable degree of familiarity with their substance. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number set before him in the examination paper.

For students entering in 1909:*

Shakespeare's *The Merchant of Venice* and *Julius Caesar*; Bunyan's *The Pilgrim's Progress* (Part I.); the Sir Roger de Coverley Papers in *The Spectator*; Scott's *The Lady of the Lake* and *Ivanhoe*; Irving's *Sketch Book*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; George Eliot's *Silas Marner*.

For students entering in 1910 and 1911:*

Shakespeare's *The Merchant of Venice* and *Julius Caesar*; the Sir Roger de Coverley Papers in *The Spectator*; Franklin's *Autobiography*; Scott's *The Lady of The Lake* and *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Dickens's *A Tale of Two Cities*.

For students entering in 1912:*

Shakespeare's *As You Like It* and *Julius Caesar*; Franklin's *Autobiography*; Goldsmith's *The Deserted Village*; Dickens's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Irving's *Sketch Book*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Macaulay's *Lays of Ancient Rome*.

B. The candidate should read the books prescribed below with the view of acquiring such knowledge of their contents as will enable him to answer specific questions with accuracy and some detail. The examination is not designed, however, to require minute drill in difficulties of verbal expressions, unimportant allusions, and technical details.

For students entering in 1909, 1910, and 1911:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

* The lists for the classes entering in 1909, 1910, 1911, and 1912 are selected from the list adopted by the Conference on Uniform Entrance Requirements in English, at meetings held in Newark, N. J., February 22, 1905, and in New York City, February 22, 1908. Candidates may make other selections from that list provided they give notice of their intention to present these books on or before the first day of February preceding the examination.

For students entering in 1912:

Shakespeare's *Macbeth*; Milton's *Comus*, *L'Allegro*, and *Il Penseroso*, or Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

HISTORY.

ANCIENT HISTORY AND GEOGRAPHY.—1. History of Rome to the death of Marcus Aurelius.

2. History of Greece to the capture of Corinth, 146 B. C.
3. Ancient geography.

The following books are recommended as the basis of instruction in ancient history and geography:—

1. Botsford's *History of Rome*.
2. Botsford's *History of Greece*.
3. Tozer's *Primer of Ancient Geography*.

Familiarity with map-drawing is also especially desirable.

HISTORY OF ENGLAND AND OF THE UNITED STATES.—Such a knowledge of the subject is required as may be gained from Montgomery's *Leading Facts of English History*, and Johnston's *History of the United States for Schools* or Montgomery's *Student's American History*. To meet this requirement at least a half-year's work of five exercises a week in each subject will be necessary. The requirement can not be satisfied by work done in the grammar school.

[NOTE.—The American Historical Association through the report of its Committee of Seven, and the New England History Teachers' Association in its Syllabus of History for Secondary Schools, have recommended the following course of study in history in all secondary schools:

- 1st year, Ancient History to 800 A. D.
- 2nd year, Mediaeval and Modern European History since 800 A. D.
- 3rd year, English History.
- 4th year, American History and Civil Government.

In accordance with these recommendations, certificates covering the first, third, and fourth of these groups will be accepted

as equivalent to the Wesleyan requirements in the respective subjects. Certificates covering either the first or the second group will be accepted as a substitute for the Wesleyan requirement in English history. An examination on group two will be given if desired.]

LATIN.

1. Latin Grammar, including prosody.
2. Caesar,—four books of the Gallic War, or an equivalent amount of prose Latin of a similar degree of difficulty.
3. Cicero,—six orations, preferably those against Catiline, and those for Archias and for the Manilian Law.
4. Vergil,—Aeneid, books I.—VI.
5. Translation at sight into English of passages of Latin, both prose and poetry, of average difficulty.
6. Translation into Latin of easy narrative passages based on the prose authors read.

With the passages set under headings 5 and 6, a vocabulary of the less common words is supplied.

To meet the full requirement in Latin, candidates must pass the following examinations of the College Entrance Examination Board: Latin *a i*, *a ii*, *b*, *c*, *dq*, *m*.

GREEK.

1. Greek grammar, including prosody. The following textbooks are recommended: Hadley-Allen's, Goodwin's, or Babbitt's.
2. Xenophon,—Anabasis, books I.—IV.
3. Homer,—Iliad, books I.—III.
4. Translation at sight of one or more passages from Xenophon.
5. Translation into Greek of easy narrative passages based on the required books of the Anabasis.

To meet the full requirement in Greek, candidates must pass the following examinations of the College Entrance Examination Board: Greek *a i*, *a ii*, *b*, *c*, *g*.

FRENCH.

ELEMENTARY (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 400 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of French, elementary grammatical questions, and the translation of simple English sentences into French. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of not less than 600 additional pages of French (including at least two works of a dramatic character), and regular practice in writing and speaking French. At least one additional year of study will be necessary to meet this requirement.

GERMAN.

ELEMENTARY (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 300 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of German, elementary grammatical questions, and the translation of simple English sentences into German. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of at least 300 additional pages of German (not more than half of which should be fiction), and regular practice in writing and speaking German. At least one additional year of study will be necessary to meet this requirement.

PHYSICS.

(1) Such a knowledge of the subject is required as may be obtained, for example, from Carhart and Chute's High School Physics, Avery's School Physics, Wentworth and Hill's Text-book of Physics, or Hoadley's Brief Course in Physics.

(2) The candidate must also have performed a series of at least thirty experiments selected as representative of the different departments of physics, and *involving careful measurements*,

in addition to any qualitative or very simple quantitative experiments he may have performed, and must present his original note-book, containing full records of the experiments, and certified to by his instructor.

To meet this requirement a full year's work of five exercises a week will in general be necessary.

CHEMISTRY.

(1) Such a knowledge of the subject is required as may be gained from Storer and Lindsay's *Manual of Chemistry* (omitting pp. 230-286), Remsen's *Chemistry* (Elementary Course), or Newell's *Descriptive Chemistry*.

(2) The candidate must also have performed a series of at least fifty experiments, and must present his original note-book, containing records of the processes and results of the experiments, and certified to by his instructor.

PHYSICAL GEOGRAPHY AND BOTANY.

(1) In physical geography, such a knowledge of the subject is required as may be gained from the study of the text-book of any one of the following authors: Salisbury, Tarr, Davis, Gilbert and Brigham, Hinman, Dryer, and Geikie. Certificates in physical geography will not be accepted without examination unless one of the text-books above mentioned has been used, nor unless the time devoted to the study has been at least the equivalent of four exercises a week for a half-year.

(2) In botany, the candidate must show such a knowledge of the subject as may be gained from either (1) the study of morphological and structural botany, as included in the recent elementary botanical text-books of Spaulding or Bergen; or (2) the study of Gray's *Lessons in Botany*, accompanied by analysis and description of flowers.

SPECIAL COURSES.

Special students, not candidates for a degree, may be admitted, upon passing such examinations as the Faculty shall in each case prescribe. (See also page 26.)

GENERAL REGULATIONS CONCERNING ADMISSION.

ADVANCED STANDING.—All candidates for advanced standing must satisfy the Faculty of their proficiency in the preparatory studies, the required studies already pursued by the classes they propose to enter, and the proper quota of elective studies, or studies recognized as equivalents therefor. A certificate of standing in another college is not accepted as evidence of such proficiency, without such further inquiry or examination as may be necessary in the judgment of the respective instructors.

PRELIMINARY EXAMINATIONS.—A candidate for admission may obtain a preliminary record a year or more in advance of the time at which he expects to enter college, on condition of passing, in the June and September examinations of any year taken together, in the equivalent of at least half of the requirements for admission. Teachers and prospective candidates for admission may obtain from the Secretary of the Faculty a schedule of the values which will be assigned to each subject in determining the question of a student's preliminary record.

DATE AND PLACE OF EXAMINATIONS.—Examinations for admission are held twice each year, in June and in September.

In June the entrance examinations of the college are those of the College Entrance Examination Board, of which Wesleyan University is a member. An application for the privilege of taking these examinations must be made to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., from whom all necessary information regarding the June examinations can be obtained. These examinations will be held June 14-19, 1909, at a large number of widely distributed points, including Middletown.

Applications for examination at points in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be received by the Board on or before Monday, May 31, 1909; application for examination elsewhere in the United States or in Canada must be received on or before Monday, May 24, 1909; and applications for examination at points outside of the United States and Canada must be received on or before Monday, May 10, 1909.

In order to facilitate the making of arrangements for the proper conduct of the examinations, it is desired that all applications be filed as early as possible.

Each application filed in accordance with the foregoing requirements must be accompanied by the examination fee, which is \$5.00 for candidates examined at points in the United States and Canada, and \$15.00 for candidates examined at points outside the United States and Canada. This fee should be remitted by postal order, express order, or draft on New York, payable to the College Entrance Examination Board.

Applications received later than the dates named above will be accepted when it is practicable to arrange for the examination of the candidates concerned, but only upon the payment of \$5.00 in addition to the regular fee. The blank forms necessary for making this application may be obtained only from the Secretary of the College Entrance Examination Board.

The fees of candidates for examination in June, 1909, whose applications have been accepted by the Secretary, can under no circumstances be returned unless the request for their return is received on or before Monday, June 7, 1909.

A candidate for examination in two or more years will be required to pay the examination fee in each year.

The examinations in September will be conducted by the college, and no fees will be charged. They will be held only in Middletown. The date of the examination in 1909 will be September 29-30.

ADMISSION BY CERTIFICATE.—Certificates covering the foregoing requirements for admission to college are received from certain schools of good standing, which have been approved by the Faculty. The privilege of certification is not given to schools which require less than four years of Latin and three years of Greek in their college preparatory course.

No certificate will be received hereafter from any school in New England which has not been approved by the New England College Entrance Certificate Board, of which this college is a member. The Secretary of the Board is Prof. N. F. Davis, of Brown University, Providence, R. I., to whom applications from New England Schools for the certificate privilege should be addressed. Such applications must reach the Secretary not

later than April first, if approval is desired for the next academic year.

Certificates of the College Entrance Examination Board will be received in lieu of examination in the subjects which they cover.

Diplomas issued by the Regents of the University of the State of New York, and pass cards supplementary to such diplomas, will be received in lieu of examination in the subjects which they cover.

Certificates from preparatory schools and Regents' diplomas are never accepted in lieu of examination for advanced standing.

Students entering by certificate are considered as on trial until the completion of the mid-year examinations. A student admitted to college on certificate, who is dismissed during his Freshman year on account of inability to keep up with his class, must take examinations in all subjects required for admission, in case he desires to return to college.

Detailed information concerning admission by certificate may be obtained on application to the Secretary of the Faculty.

ADMISSION OF WOMEN.—Women were first admitted to the University in 1872. The rule at present in force in regard to their admission was adopted by the Trustees in June, 1900, as follows: "The University will admit women in a number limited to those who can be accommodated in the college buildings and in their own homes in Middletown, and the number in the University shall be limited to twenty per cent. of the whole number of students in the preceding year."

In view of the limitation of the number of women to be admitted, all women desiring admission should, if possible, make application to the Secretary of the Faculty before June 15th.

Miss Julia Brazos, Ph. B., Dean of Women, has general oversight of the interests of the women students, and correspondence from women on all matters, except admission, course of study, and tuition scholarships, should be addressed to her.

Satisfactory evidence of good moral character will be required in the case of all candidates for admission; and certificates of honorable dismissal will be required from those who have been members of other colleges.

COURSES OF INSTRUCTION.

For regulations concerning selection of studies, see page 82.

The figures ¹ and ² following the number of a course indicate respectively that the course is offered for the first or the second half-year.

The place of meeting of each course is indicated by means of the following abbreviations: F. H.=Fisk Hall; J. H.=Judd Hall; O. H.=Observatory Hall; S. L.=Scott Laboratory of Physics; CHEM. LAB., BIOL. LAB.=Chemical, Biological Laboratory.

The Roman numerals in parentheses following each course indicate the examination group to which it is assigned. For table of groups, see pages 80 and 81.

An asterisk prefixed to the number of a course indicates that it can be elected only with the previous approval of the instructor: such approval must be *in writing* and must be handed in by the student *along with his list of electives*.

Bracketed courses are not given this year, but will, in most cases, be given next year.

LATIN.

PROFESSOR HARRINGTON; ASSOCIATE PROFESSORS NICOLSON
AND HEWITT.

NOTE.—Of the following courses in Latin, Courses I. and I.A. are given every year, the remaining courses in alternate years only, the bracketed courses being omitted in 1908-09, but to be given in 1909-10 in place of the unbracketed courses. Either Course I. in Latin, or Course I. in Greek, is required of all candidates for the degree of B. A. Course I.A. should be elected in Freshman year by all students intending to pursue any further study of the classics. Courses II.-VI. are elective for those who have taken Course I. Courses I., I.A., two of Courses II.-V., and any one of Courses VI., XVI., and XVII. are required of candidates for preliminary honors in classics. Courses VII.-XXI. are intended primarily for those who have taken at least Course I. and two of Courses II.-V. But Courses XVI. and XX. may by special permission of the instructor be elected by those who have taken only Course I.; and students of marked ability in the reading of Latin, who are taking one of Courses II.-V., may be admitted to certain of the other courses at the same time by special permission of the instructor, to whom application should in each case be made.

I. LIVY,—Selections (*first half-year*). TERENCE,—Heauton Timoroumenos; PLAUTUS, — Menaechmi (*second half-year*). Exercises in sight translation throughout the year. SECTION

1, *Mon., Wed., Fri., at 9*; SECTION 2, *Tu., Th., Sat., at 9*; SECTION 3, *Tu., Th., Sat., at 11*. 31 F. H. PROFESSORS NICOLSON and HEWITT. (II.)

I.A. SUPPLEMENTARY COURSE. Training in rapid reading; practice in Latin composition. Occasional lectures throughout the year by the instructors in Latin, giving a preliminary survey of the various departments of classical study. *Wed., at 11*. 31 F. H. PROFESSOR NICOLSON. (IV.)

[II.¹ CICERO,—Selected letters, to give a more intimate acquaintance with the history of Rome during the last two decades of the republic, and to compare colloquial with formal Latin. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[III.² HORACE,—Odes and Epodes, to illustrate the lyric art of the Augustan age. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

IV.¹ HORACE,—Satires and Epistles, to illustrate the social and literary standards of Rome at the beginning of the empire. *Tu., Th., at 12 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (XI.)

V.² PLINY THE YOUNGER,—Selected letters, to illustrate especially the state of Roman society at the close of the first century after Christ. *Tu., Th., at 12 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (XI.)

[VI.¹ LATIN PROSE COMPOSITION. In this course the elementary principles of Latin style are studied and considerable amounts of English prose (dealing with subjects both ancient and modern) are translated into Latin. *Twice a week (first half-year)*. PROFESSOR HEWITT.]

VII. RAPID READING. The aim in this course is to read large amounts of comparatively easy Latin, with a view to acquiring facility in the use of the language. The selections for the first half-year are from poetry (Vergil, Plautus, Terence); in the second half-year from prose (Caesar, Suetonius, Gellius). *Mon., Fri., at 10*. 13 F. H. PROFESSOR NICOLSON. (III.)

VIII. ROMAN LITERATURE. A historical and critical survey of Roman literature given by means of lectures, a text-book dealing with the general subject, illustrative class-room readings in Latin and in English translations, and a choice of several collateral reading courses covering different periods. This course is designed primarily for students who desire a wider general acquaintance with the literature of the Romans and its relation to other literatures, without special emphasis upon its distinctly philological features. *Tu., Th., at 8 (counting as three times a week).* 31 F. H. PROFESSOR HARRINGTON. (VII.)

[IX. ROMAN ELEGIAC POETRY. The origin and development of the elegiac form. Selections from Catullus, Tibullus, Propertius, and Ovid. Practice in original research. *Twice a week.* PROFESSOR HARRINGTON.]

[X.¹ OVID,—the Fasti, with special attention to questions of Roman history and ritual. *Twice a week (first half-year).* PROFESSOR NICOLSON.]

[XI.¹ ROMAN SATIRE. From its beginnings through the Golden Age. Selections from Ennius, Lucilius, Varro, Horace, and Persius. *Twice a week (first half-year).* PROFESSOR HARRINGTON.]

[XII.² ROMAN SATIRE. A continuation of Course XI. Selections from Juvenal, Petronius, and Apuleius; the Apocolocyntosis of Seneca; lectures on the earliest forms of the novel. *Twice a week (second half-year).* PROFESSOR NICOLSON.]

XIII. ROMAN PHILOSOPHY. Lucretius (selections); Cicero (selections from the *Academica*, *De Officiis*, *Tusculanae Disputationes*, *De Finibus*, *De Natura Deorum*); Seneca (selected essays and epistles); lectures on the development of Roman philosophy. *Mon., Wed., Fri., at 12.* 13 F. H. PROFESSOR HARRINGTON. (V.)

[XIV.² TACITUS. Selections from the *Annals* I.–VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Twice a week (second half-year).* PROFESSOR HEWITT.]

[XV.¹ CATULLUS.—The beginnings of lyric poetry among the Romans, with a brief study of its later development and of

lyric forms in post-classical and mediaeval Latin. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

XVI.¹ ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Mon., Wed., Fri., at 8 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (I.)

XVII.² HISTORICAL LATIN GRAMMAR. Lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Mon., Wed., Fri., at 8 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (I.)

[XVIII.¹ LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[XIX.² ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

[XX.² ROMAN POLITICAL INSTITUTIONS AND LAW. An introductory course, based partly on original, and partly on modern authorities, given by lectures and the use of text-books. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

[XXI.² LATIN LITERATURE SINCE THE ROMAN EMPIRE. Lectures introductory to the literature written in the universal language of the ecclesiastical and learned European world from the fifth century to the seventeenth century. Illustrative readings from some of the most interesting types of prose and

poetry, including the drama, the dialogue, the lyric, the writings of the Church Fathers. *Twice a week (second half-year).*
PROFESSOR HARRINGTON.]

GREEK AND ROMAN MYTHOLOGY. For description, see Course X. in Greek.

For the most successful prosecution of even the earlier courses in Latin, ability to read German prose on philological subjects is decidedly advantageous, and for the most advanced courses it is generally necessary. Students, therefore, who look forward to the study of Latin beyond the more elementary courses, and who have on admission to college no acquaintance with German, should devote special attention to that subject in the Freshman year.

GRADUATE INSTRUCTION.

Courses XVII., XVIII., and XIX., while open to undergraduates, may appropriately be taken as graduate work. Other graduate courses are arranged according to the tastes or attainments of individual students.

GREEK.

PROFESSOR HEIDEL; ASSOCIATE PROFESSOR HEWITT.

I. LYSIAS,—Select Orations; PLATO,—Euthyphro, Apology, and Crito; XENOPHON,—Memorabilia. *Mon., Wed., Fri., at 10.* 37 F. H. PROFESSOR HEIDEL. (III.)

Course I. in Greek, or Course I. in Latin, is required of candidates for the B. A. degree.

I.A. HOMER,—Odyssey. The aim of the course is to develop in the student the ability to read rapidly and at sight. It should be elected by those who intend to continue the study of Greek. *Fri., at 8.* 37 F. H. PROFESSOR HEWITT. (I.)

Courses I. and I.A are required of candidates for preliminary honors in classics.

II. THUCYDIDES,—Books II. and III. (*first half-year*).
HERODOTUS,—Selections (*second half-year*). *Tu., Th., at 11.*
37 F. H. PROFESSOR HEIDEL. (X.)

Course II. is elective for those who have taken Course I. It is required of candidates for preliminary honors in classics.

III. GREEK PROSE COMPOSITION. *Fri., at 11.* PROFESSOR HEIDEL. (IV.)

Course III. is elective for those who have taken, or are taking, Course II. Either Course III. or Course IV. is required of candidates for preliminary honors in classics.

[IV. HISTORY OF GREEK LITERATURE. Lectures and collateral reading. *Once a week.* PROFESSOR HEIDEL.]

Course IV. is elective for those who take Course II., or for Juniors. Either Course III. or Course IV. is required of candidates for preliminary honors in classics. Courses III. and IV. are given in alternate years, Course IV. being omitted the present year.

V.¹ PLATO,—Gorgias; DEMOSTHENES,—The Oration on the Crown. Collateral study of Greek rhetoric and oratory. *Tu., Th., Sat., at 10 (first half-year).* 37 F. H. PROFESSOR HEWITT. (IX.)

VI.² THE GREEK LYRIC POETS, including selections from Pindar and Bacchylides. *Tu., Th., Sat., at 10 (second half-year).* 37 F. H. PROFESSOR HEWITT. (IX.)

Courses V. and VI. are elective for those who have taken Course II.

[VII. AESCHYLUS,—Prometheus Bound. SOPHOCLES,—Oedipus the King and Antigone. Lectures and collateral reading on the Greek theatre (*first half-year*). EURIPIDES,—Medea and Cyclops. ARISTOPHANES,—Frogs. Collateral reading on the Greek drama (*second half-year*). *Three times a week.* PROFESSOR HEWITT.]

Course VII. is elective for those who have taken Course II. It is omitted the present year.

[VIII.¹ NEW TESTAMENT IN GREEK. *Twice a week (first half-year).* PROFESSOR HEIDEL.]

Course VIII. is elective for those who have taken, or are taking, Course II. It is omitted the present year.

IX.² THEOCRITUS AND LUCIAN. *Mon., Fri., at 3 (second half-year).* 37 F. H. PROFESSOR HEWITT. (VI.)

Course IX. is elective for those who have taken Course II.

X.¹ GREEK AND ROMAN MYTHOLOGY. The subject is discussed from the anthropological rather than the literary point of view, and the course is designed to serve as an introduction to the study of religion. It consists of recitations, lectures, and frequent reports on reading. Knowledge of Latin and Greek is not required, but the ability to read German is very desirable. *Mon., Fri., at 3 (first half-year).* 37 F. H. PROFESSOR HEWITT. (VI.)

Course X. is elective for Juniors.

XI. GREEK CIVILIZATION. Lectures and collateral reading on the art, the religion, and the scientific thought of ancient Greece in relation to modern civilization. Knowledge of Greek is not required. *Tu., Th., at 2.* 37 F. H. PROFESSOR HEIDEL.

Course XI. is elective for Juniors.

[XII. GREEK LIFE AND INSTITUTIONS. Lectures, collateral reading, and reports, on Greek private life, the organization of Athenian society, and the duties of the Athenian as a citizen. Knowledge of Greek is not required. *Twice a week.* PROFESSOR HEIDEL.]

Course XII. is elective for Juniors. It is omitted the present year.

XIII. PLATO,—Republic. *Mon., Wed., Fri., at 9 (first two terms), counting as two hours for the year.* 37 F. H. PROFESSOR HEIDEL. (II.)

Course XIII. is elective for those who have taken Courses V. and VI., or Course VII.

[XIV.² GREEK LITERARY CRITICISM. Aristotle's Poetics, the treatise On the Sublime, and selections from Dionysius of

Halicarnassus. *Twice a week (second half-year).* PROFESSOR HEIDEL.]

Course XIV. is elective for those who have taken Courses V. and VI., or Course VII. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses X., XI., XII., XIII., and XIV. are intended for advanced undergraduates or graduates. In certain cases, when counted as graduate courses, additional requirements may be made.

GERMAN.

PROFESSOR FIFE; MR. SUPER.

I. ELEMENTARY GERMAN. Vos's Essentials of German; Huss's German Reader; Heyse,—*L'Arrabbiata*; Gerstäcker,—*Irrfahrten*; Wilbrandt,—*Jugendliebe*; Seidel,—*Aus goldenen Tagen*. Exercises in conversation and composition, based on the texts read and on an elementary manual. SECTION 1, *Tu., Th., Sat., at 11*; SECTION 2, *Mon., Wed., Fri., at 12.* 15 F. H. PROFESSOR FIFE and MR. SUPER. (V.)

Candidates for the degree of B. S. are required to complete the equivalent of Courses I. and II. in German, as well as I. and II. in French. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. INTERMEDIATE GERMAN. Keller,—*Das Fähnlein der sieben Aufrechten*; Schiller,—*Die Jungfrau von Orleans*; E. T. A. Hoffmann,—*Meister Martin der Kufner*; Grillparzer,—*Der Traum ein Leben*; Meyer-Förster,—*Karl Heinrich*. A part of this reading is done at sight. One hour a week throughout the year is devoted to a review of elementary grammar, with paraphrases and prose composition. A considerable part of the class exercises are conducted in German. Text-books,—Thomas's Practical German Grammar; Pope's German Composition. SECTION 1, *Tu., Th., Sat., at 8*; SECTION 2, *Mon., Wed., Fri., at 9.* 15 F. H. PROFESSOR FIFE and MR. SUPER. (VII.)

Course II. is elective for those who have taken Course I.

* III. GERMAN CONVERSATION AND GERMAN DAILY LIFE. Practice in conversation based on Thiergen's *Am deutschen Herde*, followed by selected chapters from R. Kron's *German Daily Life*. Lectures and pictures illustrating German life and institutions. All class exercises are conducted in German. *Mon., at 11.* 39 F. H. PROFESSOR FIFE. (IV.)

Course III. is elective, with the permission of the instructor, for those who have taken Courses I. and II.

IV. THE CLASSICAL PERIOD,—Lessing, Goethe, and Schiller are taken up in the order named, and a brief study is made of the life of each, based on lectures, accompanied by parallel readings from their works. Regular written themes form a part of the course. During the current year the following are read in class: Lessing,—*Minna von Barnhelm*; Goethe,—*Faust I. and Lyrics* (Goebel's edition); Schiller,—*Wallenstein* (all parts). *Tu., Th., at 12.* 39 F. H. PROFESSOR FIFE. (XI.)

Course IV. is elective for those who have taken Courses I. and II.

V.¹ NINETEENTH CENTURY DRAMA. Rapid readings from dramatic masterpieces by Grillparzer, Freytag, Hebbel, and Hauptmann, with lectures on the development of the German drama in the nineteenth century, and written themes. The first work read is Grillparzer's *Sappho*. *Tu., Th., at 3 (first half-year).* 39 F. H. PROFESSOR FIFE. (XII.)

[VI.¹ THE GERMAN NOVELLE. The development of this peculiarly German form of narrative literature is traced from the Romantic period through the nineteenth century. Rapid readings from Kleist, Tieck, Mörike, Keller, Storm, Heyse, and K. F. Meyer. A part of this reading is done outside of class and is made the subject of written themes. *Twice a week (first half-year).* PROFESSOR FIFE.]

VII.² HEINRICH HEINE. A study of the poet's life and works, with rapid readings from his lyrics and prose. A part of this reading is done as collateral, with written themes. Heine's *Poems* (Eggert's edition) is the first text read the present year. *Tu., Th., at 3 (second half-year).* 39 F. H. PROFESSOR FIFE. (XII.)

[VIII.² HISTORICAL AND CRITICAL PROSE. Rapid readings in contemporary German historians and essayists. The course is designed as a further introduction to German culture, as well as an aid to those who desire greater proficiency in reading contemporary German prose. *Twice a week (second half-year).* PROFESSOR FIFE.]

Courses V., VI., VII., and VIII., each of which is given in alternate years only, are elective for those who have taken Courses I. and II. Courses VI. and VIII. are omitted the present year.

* IX.¹ GERMAN PROSE COMPOSITION AND ADVANCED GRAMMAR. This course begins with an intensive review of the elementary phonology and forms of the language, followed by a study of German syntax, and an introduction to historical grammar. Regular class exercises in German prose composition, supplemented by original themes. Jagemann's German Prose Composition; Thomas's German Grammar; for reference, Curme's German Grammar; Grandgent's German and English Sounds. This course is intended especially for those preparing to teach German. *Tu., Th., at 9 (first half-year).* 36 F. H. PROFESSOR FIFE. (VIII.)

Course IX. is elective, with the permission of the instructor, for those who have taken Courses I.-III.

[X.² HISTORY OF GERMAN LITERATURE, I. From the earliest beginnings to the end of the sixteenth century. A course of lectures, supplemented by parallel readings and by themes. All lectures and class exercises are conducted in German. *Twice a week (second half-year).* PROFESSOR FIFE.]

XI.² HISTORY OF GERMAN LITERATURE, II. From the beginning of the seventeenth century to the present time. A course of lectures, supplemented by parallel readings from an anthology and by themes. All class exercises are conducted in German. *Tu., Th., at 9 (second half-year).* 39 F. H. PROFESSOR FIFE. (VIII.)

Courses X. and XI., which are given in alternate years, are elective for those who have taken Courses I. and II., and who have taken, or are taking, Course III. Course X. is omitted the present year.

[XII.¹ MIDDLE HIGH GERMAN. The course is a brief introduction to the early classical period, and is literary rather than linguistic in its aims. Wright's Middle High German Primer. Readings from Hartmann von Aue's *Der Arme Heinrich*, the *Nibelungenlied* (Bartsch's edition), and Walther von der Vogelweide (Bartsch's edition). *Twice a week (first half-year)*. PROFESSOR FIFE.]

Course XII. is elective for those who have taken Courses I.-III. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses IX.-XII. are intended as an introduction to graduate work, and may, with additional requirements, be taken as graduate courses. Further graduate instruction may be arranged for through private conference.

ROMANCE LANGUAGES.

PROFESSOR KUHN; MR. SUPER.

I. ELEMENTARY FRENCH. Fraser and Squair's French Grammar, Part I. Kuhns's French Reading for Beginners. Erckmann-Chatrian,—Madame Thérèse; About,—Le Roi des Montagnes. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., Wed., Fri., at 10*; SECTION 2, *Tu., Th., Sat., at 11.* 14 F. H. MR. SUPER. (X.)

Candidates for the degree of B. S. must complete the equivalent of Courses I. and II. in French, as well as I. and II. in German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. INTERMEDIATE FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight reading in class, and for each half-year

collateral reading is given to be prepared by the student himself for examination. On Saturdays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. *Tu., Th., Sat., at 8.* 39 F. H. PROFESSOR KUHN. (VII.)

Course II. is elective for those who have taken Course I.

* III. FRENCH COMPOSITION AND CONVERSATION. The object of this course is to give practice in writing, speaking, and hearing French. There is a large amount of composition, interesting stories are read and discussed, and lectures are given in French on the modern French novel. During the year several informal lectures on travel in Europe are given in French by Professor Kuhns. These lectures are illustrated by lantern slides. *Mon., Fri., at 3.* 14 F. H. MR. SUPER. (VI.)

Course III. is elective, with the permission of the instructor, for those who have taken, or are taking, Course II.

* IV. MODERN FRENCH LITERATURE. French literature in the seventeenth, eighteenth, and nineteenth centuries. The masterpieces of Corneille, Racine, Molière, Boileau, La Fontaine, Rousseau, Chateaubriand, Lamartine, Alfred de Musset, Victor Hugo, Balzac, and others are read and discussed in French, but not translated. Frequent lectures are given by the instructor on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. At each recitation translation from English into French is made. In addition, each member of the class must make, twice during the year, a more extensive study of some one particular writer. *Tu., Th., at 11.* 39 F. H. PROFESSOR KUHN. (X.)

Course IV. is elective, with the permission of the instructor, for those who have taken, or are taking, Course III.

V. OLD FRENCH. The work for the current year consists in the translation of Old French texts, and the study of Old French literature, with special reference to its influence on the literatures of the other nations of Western Europe. Lectures and collateral readings form part of the work. *Wed., at 8 (counting as two hours a week).* 39 F. H. PROFESSOR KUHN. (I.)

Course V. is elective for those who have taken Courses I.-IV.

*VI. FRENCH SEMINARY. This course is especially designed to meet the needs of those who intend to teach French. It includes the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. *Fri., at 8.* 39 F. H. PROFESSOR KUHN. (I.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

[VII. ELEMENTARY ITALIAN. Italian Principia, I. De Amicis,—Cuore; Pellico,—Le Mie Prigioni. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the Inferno and Purgatorio of Dante, the last half-hour of each recitation being devoted to this exercise. As a preparation for this part of the work, the class is required to read Gardner's Dante. *Twice a week.* PROFESSOR KUHN.]

Course VII. is elective for Sophomores who have taken I. French. It is omitted the present year.

VIII. ADVANCED ITALIAN. Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Mon., at 8, Wed., at 11.* 39 F. H. PROFESSOR KUHN.

Course VIII. is elective for those who have taken Course VII.

IX. DANTE IN ENGLISH. The New Life and the Divine Comedy are read in English translations. The instructor interprets these books in the light of the history, science, theology, and philosophy of the Middle Ages, comparing Dante with Homer, Shakespeare, and other world-poets, and showing his influence on modern thought, art, and literature. *Tu., at 10.* 39 F. H. PROFESSOR KUHN. (IX.)

Course IX. is elective for Juniors.

X. ELEMENTARY SPANISH. Grammar, and reading of simple Spanish prose. *Tu., Th., at 2.* 39 F. H. MR. SUPER.

Course X. is elective for Sophomores who have taken I. French.

[XI. ADVANCED SPANISH. The chief emphasis in this course is laid on the Don Quijote of Cervantes. *Twice a week.* MR. SUPER.]

Course XI. is elective for those who have taken Course X. It is omitted the present year.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

I. GENERAL INTRODUCTION TO ENGLISH LITERATURE. I. An outline of the history of the literature. Stopford Brooke's English Literature, with lectures. *First half-year.*

2. Class-room reading and discussion of literary masterpieces, illustrative of different varieties and periods of English literature. The works selected are: Chaucer's Prologue to the Canterbury Tales, and the Nonne Preestes Tale; Shakespeare's Hamlet; Milton's minor poems. *Second half-year.*

3. A brief course of collateral reading, with written recitations and essays upon subjects drawn from the reading. Members of the class choose one of the courses in Winchester's Five Short Courses of Reading in English Literature. These courses consist of selections from the following authors:

(1) 1559-1674. Marlowe, Green, Shakespeare, Bacon, Milton.

(2) 1660-1745. Dryden, Addison, Steele, Swift; with Johnson's Lives of Dryden, Swift, and Pope, and Thackeray's Lectures on the English Humourists.

(3) 1745-1789. Gray, Goldsmith, Johnson, Burke, Cowper, Burns; with Leslie Stephen's Life of Johnson, Dobson's Life of Goldsmith, Morley's Life of Burke.

(4) 1789-1832. Wordsworth, Coleridge, De Quincey, Lamb, Byron, Shelley, Keats.

(5) 1832-1880. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson.

Mon., Wed., at 12. 14 F. H.

(V.)

Course I. is elective for Sophomores.

[II. SIX PLAYS OF SHAKESPEARE. *Three times a week.*]

[III. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Arnold, Tennyson, Browning. *Three times a week.*]

IV. ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Mon., Wed., Fri., at 9. 14 F. H.* (II.)

Courses II., III., and IV. are elective for those who have taken Course I. Courses II. and III. are omitted the present year.

[*V. NEW ENGLAND LITERATURE, 1835-1885. Emerson, Longfellow, Lowell, Hawthorne, Whittier, Holmes. *Twice a week.*]

[*VI. LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Bolingbroke, Pope. *Twice a week.*]

*VII. ESSAYISTS AND REVIEWERS OF THE EARLY NINETEENTH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Wilson, Hunt. *Mon., Wed., at 11. 23 F. H.* (IV.)

Courses V., VI., and VII. are elective, with the permission of the instructor, for those who have taken Course I., either Course II., Course III., or Course IV., and Course VIII. Courses V. and VI. are omitted the present year.

VIII. ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's Principles of Literary Criticism is used as a text-book. *Fri., at 11. 29 F. H.* (IV.)

Course VIII. is elective for those who have taken Course I.

IX. ENGLISH COMPOSITION. The rhetorical exercises of the Senior class are assigned to this department. Every Senior (unless excused from half this requirement by the election of debate as specified below) must write either four essays or two orations. All written work receives the personal criticism of the instructor.

DEBATE. Weekly practical exercises. Two members of the class are appointed to conduct the debate at each exercise. They must prepare written briefs of their argument, which are revised and corrected by the instructor, and are then publicly posted four days before the debate. *Mon., at 8.* 13 F. H.

The course in debate is elective for Seniors, and those who elect it are excused from half the rhetorical work required of Seniors.

The rhetorical exercises of the Senior year are rated as the equivalent of one hour's work per week for the year; this hour is included in the minimum quota (13) prescribed for Seniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD; MR. GILLET.

I. RHETORIC. Lamont's English Composition; Mead's Composition and Rhetoric. For supplementary reading, Wendell's English Composition is recommended. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also at hours appointed by the instructor. *Mon., at 11.* B F. H. PROFESSOR MEAD. Also in four sections, as follows: SECTION 1, *Tu., at 8*; SECTION 2, *Wed., at 8*; SECTION 3, *Th., at 8*; SECTION 4, *Fri., at 8.* 29 F. H. MR. GILLET. *Counting as two hours a week.* (IV.)

Course I. is required of Freshmen.

II. ENGLISH COMPOSITION. A. Sophomores are required to write six essays during the year on subjects approved by the instructor.

B. Juniors write on subjects of their own selection, and choose one of the two following courses: Course I., consisting

of five general and two departmental essays; Course II., consisting of two general and four departmental essays. The departmental essays must be written on subjects related to some department of college work and approved by the instructor in English.

Appointments for personal criticism are made for Sophomores and Juniors.

The essays of Sophomore and Junior years are rated as the equivalent each of one hour's work per week for the year; the hour is included in the minimum quota (15) prescribed for each of these two years.

*III. THE EXPOSITORY ESSAY. A course in exposition, with lectures, and discussions of the theory of the essay. Some study is made of the best models of expository writing. Practical exercises in composition are required as frequently as time permits. *Mon., at 3.* 29 F. H. PROFESSOR MEAD. (VI.)

Course III. is elective for Juniors, with the permission of the instructor.

[IV. OLD ENGLISH (Anglo-Saxon). This course is of fundamental importance as an introduction to the study of the English language and Early English literature. The principal reading at the outset is in Bright's edition of The Gospel of St. John in West Saxon. The grammar is drawn from Bright's Anglo-Saxon Reader, with copious illustrations and explanations based upon the texts read. The reading of the second half-year is mainly in Old English poetry and in prose illustrating important periods of Old English history. A lecture once a week, with a reading of Skeat's Primer of English Etymology, explains in detail the relations of the Old English language to modern English. *Three times a week.* PROFESSOR MEAD.]

Course IV. is elective for Sophomores. It is omitted the present year.

*V. MIDDLE ENGLISH. Emerson's Middle English Reader; Chaucer's Canterbury Tales and Minor Poems; ten Brink's Language and Metre of Chaucer. The pieces read in class are discussed in lectures treating the period from the point of view

of comparative literature. For this course an accurate knowledge of Old English (Anglo-Saxon) is a prerequisite. *Wed., Fri., at 12.* 29 F. H. PROFESSOR MEAD. (V.)

Course V. is elective for Juniors, with the permission of the instructor.

VI. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course is to show in lectures and class discussions how English words have been made, how they have changed their sounds, their forms and their meanings, how and when foreign words have been borrowed, and, in particular, how American English differs from that of England. The work is brought into close connection with the study of literature. A special subject of study is the diction of the seventeenth and eighteenth century English poets. The collateral work involves the use of various books of reference, and in particular of Skeat's Concise Etymological Dictionary. *Tu., Th., at 11.* 29 F. H. PROFESSOR MEAD. (X.)

Course VI. is elective for Juniors.

[VII. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's Idylls of the King, Swinburne's Tale of Balen, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. *Twice a week.* PROFESSOR MEAD.]

Course VII. is elective for Juniors. It is omitted the present year.

VIII. ENGLISH FICTION. The theory of narrative composition, and the historical development of the novel. Perry,—A Study of Prose Fiction; Cross,—Development of the English Novel. Lectures and assigned readings. *Tu., Th., at 12.* 29 F. H. PROFESSOR MEAD. (XI.)

Course VIII. is elective for Juniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

PUBLIC SPEAKING.

MR. WETZEL.

PUBLIC SPEAKING. Instruction in the course in public speaking is given in three sections, one for each of the three upper classes.

A. SOPHOMORES. Special attention is given to vocal training, pronunciation, and articulation. This course includes systematic practice in oral expression and delivery with special reference to the principles of gesture and to the fundamental characteristics of conversation, viz.: pause, touch, pitch, inflection, movement, and tone-color. *Sat., at 11.* 13 F. H.

B. JUNIORS. A course in forensic oratory, including systematic practice in debate, with special reference to the construction and delivery of the argument and the rebuttal. *Sat., at 10.* 13 F. H.

C. SENIORS. A course in the oral expression of Shakespeare and Browning, with special reference to the theory and art of the vocal and gestural interpretation of dramatic literature. *Sat., at 9.* 13 F. H.

Once a week for twenty weeks, counting as half an hour for the year.

This course cannot be elected as part of the minimum quota of 15 hours for Sophomores and Juniors, and 13 hours for Seniors.

HISTORY.

PROFESSOR DUTCHER.

I. ENGLISH HISTORY, from the earliest times to the present day. Tout's Advanced History of Great Britain is used as the text-book, and there are required, in addition, the reading of Wakeman's Introduction to the History of the Church of England, Cheyney's Introduction to the Industrial and Social History of England, Montague's Elements of English Constitutional History, and a few selections from Adams and Stephens's Select Documents of English Constitutional History, and from Lowell's Government of England. Lectures and assigned work. *Mon., Wed., Fri., at 8.* 11 F. H. (I.)

Course I. is elective for Freshmen. Those intending to elect the later courses in history should elect Course I. not later than the Sophomore year.

Students electing history as their major study must take Course I. not later than the Sophomore year. Students may then elect to make their major work in either American or European History, and must complete the minimum of nine hours required for a major in this department by taking either Courses II. and III. or Courses IV. and V.

[II. AMERICAN COLONIAL HISTORY, 1492-1789. Channing's History of the United States, Hart's Formation of the Union, MacDonald's Select Charters. Lectures and assigned work. *Three times a week.*]

Course II. is elective for those who have taken Course I. in history or Course I. in economics.

III. UNITED STATES HISTORY, 1789-1865. Hart's Formation of the Union, Wilson's Division and Reunion, MacDonald's Select Documents of United States History. Lectures and assigned work. *Mon., Wed., Fri., at 12.* 11 F. H. (V.)

Course III. is elective for those who have taken Course I. in history, or Course I. in economics. Courses II. and III. are given in alternate years, Course II. being omitted the present year.

IV. EUROPEAN HISTORY, 300-1600. Hassall's Periods of European History, vols. 1-4. Lectures and assigned work. *Mon., Wed., Fri., at 10.* 11 F. H. (III.)

Course IV. is elective for those who have taken any one of Courses I., II., and III.

[V. EUROPEAN HISTORY, 1600-1890. Stephens's Syllabus of Modern European History; Hassall's Periods of European History, vols. 5-8. Lectures and assigned work. *Three times a week.*]

Course V. is elective for those who have taken any one of Courses I., II., and III. Courses IV. and V. are given in alternate years, Course V. being omitted the present year.

An ability to read historical works in either French or German is highly desirable for those electing Courses IV. and V., but is not required.

*VI. HISTORICAL SEMINARY. Subject for the current year: The history of the United States during the period of reconstruction (beginning in March, 1867). This course is intended to afford training in historical method. Topics for individual research and report are regularly assigned, and the work of the student is subject to the constant supervision and criticism of the instructor. *Wed., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VI. is elective, with the permission of the instructor, for Seniors who have shown, in earlier courses in the department, ability to do advanced work in history.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Recitations and discussions. *Tu., Th., at 9.* 15 F. H. (VIII.)

Course I. is elective for Juniors; with the permission of the instructor, it may be taken by Sophomores.

II. ADVANCED ECONOMICS. This course includes a brief historical view, on the basis of Ingram's History of Political Economy, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Mon., Wed., at 11.* 12 F. H. (IV.)

Course II. is elective for those who have taken Course I. It is given in alternate years with Course III.

[III. PUBLIC FINANCE. The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based

on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Twice a week.*]

Course III. is elective for those who have taken Course I. Courses II. and III. are given in alternate years, Course III. being omitted the present year.

[IV. 1. MONEY AND BANKING. A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the various schemes for reform. 2. THE TRUST PROBLEM. A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 3. THE TARIFF. A study of the theory of protective customs duties and of the history of tariffs in America. *Twice a week.*]

Course IV. is elective for those who have taken Course I. Courses IV. and V. are given in alternate years, Course IV. being omitted the present year.

V. THE GENERAL LABOR PROBLEM. A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations, strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Tu., Th., at 11. 12 F. H.* (X.)

Course V. is elective for those who have taken Course I. Courses IV. and V. are given in alternate years, Course IV. being omitted the present year.

VI. SOCIOLOGY. A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Tu., Th., at 12. 12 F. H.* (XI.)

Course VI. is elective for those who have taken, or are taking, Course I. Courses VI. and VII. are given in alternate years, Course VII. being omitted the present year.

[VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Twice a week.*].

Course VII. is elective for those who have taken, or are taking, Course I. Courses VI. and VII. are given in alternate years, Course VII. being omitted the present year.

*VIII. ECONOMIC SEMINARY. Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. For the current year the topics are related to the labor problem, as discussed in Course V. *Mon., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV. must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is also open to such undergraduates as are making special studies in the department. Courses II.-VII., while intended

primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

PHILOSOPHY.

PROFESSORS ARMSTRONG AND DODGE.

I. ELEMENTARY COURSE. PSYCHOLOGY. Lectures and recitations based on Sully's Outlines of Psychology, and other standard authorities. SECTION 1, *Mon., Wed., at 11*; SECTION 2, *Mon., Fri., at 11 (first half-year)*. 15 F. H. PROFESSOR ARMSTRONG. LOGIC. Jevons-Hill's Elements of Logic. An elementary course in the fundamental forms of reasoned thinking, deductive and inductive alike. *Mon., Wed., at 11 (second half-year)*. 28 F. H. PROFESSOR DODGE. (IV.)

This course replaces the former required courses in logic and psychology, and is preparatory to all later work in the department. It should therefore be taken as early as convenient by all students who plan to elect their major studies in the department, or in ethics and religion.

Course I. is elective for Sophomores.

II. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY. Lectures and class demonstrations, with collateral reading. The course opens with an account of the structure and operation of the nervous system, and the interrelation between mind and body. It includes experimental discussions of the elementary psycho-physical processes and of some of the more complex processes, as time and space, the geometrical illusions, language, motor organization, mental hygiene, instinct, habit, and reaction. SECTION 1, *Mon., Wed., Fri., at 10*; SECTION 2, *Mon., Wed., Fri., at 12*. 22 F. H. PROFESSOR DODGE. (V.)

Course II. is elective for those who have taken Course I., or for those who are taking it in their Junior or Senior year.

[III. ADVANCED PSYCHOLOGY. Lectures, and reports by members of the class. Part I. A systematic general account of the emotions and the will. Part II. A more detailed account

of special phenomena, including anger, fear, the tender emotions, sympathy, the aesthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Twice a week.* PROFESSOR DODGE.]

Course III. is elective for those who have taken Course I. It is omitted the present year.

IV. EDUCATIONAL PSYCHOLOGY. Lectures, reports, and required readings, constituting a systematic discussion of the laws of mental development and the psychological basis of educational theory and practice. In conjunction with Course I. in philosophy, this course is planned to meet the requirements in educational psychology of those states and cities which demand the professional training of teachers, but it is also intended to serve the needs of those whose interest in the psychological problems of education is non-professional. *Mon., Fri., at 2.* 22 F. H. PROFESSOR DODGE.

Course IV. is elective for those who have taken Course I.

Courses III. and IV. are given in alternate years, Course III. being omitted the present year.

[*V. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. *Once a week.* PROFESSOR DODGE.]

Course V. is elective, with the permission of the instructor, for those who have taken Course II. It is omitted the present year.

VI. ADVANCED LOGIC. Hibben's Inductive Logic. A systematic discussion of the origin, the forms, and the limitation of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and scientific evidence are analyzed and the practical limits of proof are discussed. *Mon., at 8.* 24 F. H. PROFESSOR DODGE. (I.)

Course VI. is elective for those who have taken Course I.

[VII. INTRODUCTION TO PHILOSOPHY. Lectures and recitations, with references to the Introductions of Stuckenborg, Ladd, Külpe, and Paulsen. *Twice a week (first half-year).* PROFESSOR ARMSTRONG.]

Course VII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year. It is omitted the present year.

VIII.² ANCIENT AND MEDIAEVAL PHILOSOPHY. Zeller's Outlines of Greek Philosophy, with references to Schwegler, Zeller's larger work, and other authorities; lectures and discussions. *Mon., Wed., at 11 (second half-year).* 28 F. H. PROFESSOR ARMSTRONG. (IV.)

Course VIII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

IX.¹ MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other standard histories of philosophy. *Mon., Wed., Fri., at 10 (first half-year).* 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course IX. is elective, under ordinary circumstances, for those who have taken Course VIII.

X.² MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other authorities. In the later part of the course special consideration is given to contemporary English and American philosophy. *Mon., Wed., Fri., at 10 (second half-year).* 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course X. is elective for those who have taken Course IX.

*XI. PHILOSOPHICAL SEMINARY. Readings in modern philosophy, with especial attention to selections from Descartes, Locke, Berkeley, Hume, and Kant. Reports and theses may be required. *Th., 7:30-9:30 p. m., counting as two hours for the year.* 24 F. H. PROFESSOR ARMSTRONG.

Course XI. is elective, with the permission of the instructor, for those who are taking Courses IX. and X.

GRADUATE INSTRUCTION.

Courses III., V. and IX-XI. are intended for advanced undergraduates and graduates. Special courses for graduate

students, under the direction of the instructors of the department, may be arranged in advanced experimental and theoretical psychology, historical philosophy, and metaphysics.

ETHICS AND RELIGION.

PROFESSORS RAYMOND, RICE, AND DODGE.

I.¹ ETHICS. A course of lectures and recitations on theoretical and practical ethics. The course is introduced with a brief historical survey of ethical theory, and the lectures are supplemented by theses and collateral reading. Seth's Study of Ethical Principles is used as a text-book. *Tu., Th., Sat., at 10 (first half-year).* 15 F. H. PROFESSOR DODGE. (IX.)

Course I. is elective for Seniors.

[II.² EVIDENCES OF CHRISTIANITY. Recitations and lectures, Fisher's Grounds of Theistic and Christian Belief being used as a text-book. *Tu., Th., Sat., at 10 (second half-year).* PROFESSOR RAYMOND.]

Course II. is elective for Seniors. It is omitted the present year.

[*III.² THEISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year).* PROFESSOR RAYMOND.]

Course III. is elective, with the permission of the instructor, for those who have taken Course IX. in philosophy. It is omitted the present year.

[IV.¹ ENGLISH BIBLE, NEW TESTAMENT. A study of St. Paul's letters. This course is chiefly a lecture course. It aims to give an account of Paul's conceptions of Christianity, in the light of contemporary thought, and of his religious experience. An analysis of the several letters studied is required.

Text-book: *The Records and Letters of the Apostolic Age*, by Burton. *Twice a week (first half-year)*. PROFESSOR RAYMOND.]

Course IV. is elective for Seniors. It is omitted the present year.

[V.² **ENGLISH BIBLE, OLD TESTAMENT.** The course begins with the eighth century B. C. and deals with the development of prophecy. It is a lecture course and is supplemented by an analysis of the books studied, and by papers on assigned topics. *Twice a week (second half-year)*. PROFESSOR RAYMOND.]

Course V. is elective for Seniors. It is omitted the present year.

[VI.² **RELATIONS OF SCIENCE AND RELIGION.** Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the correlation of physical and vital forces, and the theory of evolution are among the topics discussed. Rice's *Christian Faith in an Age of Science* is used as a text-book. *Twice a week (second half-year)*. PROFESSOR RICE.]

Course VI. is elective for Juniors. It is omitted the present year.

MATHEMATICS AND ASTRONOMY.

PROFESSOR VAN VLECK (*Emeritus*); ASSOCIATE PROFESSOR HOWLAND;
MR. CAMP.

I.¹ **SOLID GEOMETRY.** *Tu., Th., Sat., at 9 (first half-year)*.
26 O. H. PROFESSOR HOWLAND. (VIII.)

Course I. is elective for Freshmen.

II. **TRIGONOMETRY.** SECTION 1, *Mon., Wed., Fri., at 9 (first half-year)*. SECTION 2, *Mon., Wed., Fri., at 9 (second half-year)*. 25 O. H. MR. CAMP. (II.)

Course II. is elective for Freshmen.

III.² **ANALYTIC GEOMETRY.** *Tu., Th., Sat., at 9 (second half-year)*. 26 O. H. PROFESSOR HOWLAND. (VIII.)

Course III. is elective for those who have taken Course II.

Candidates for the degree of B. S. must take two of the above courses, unless they receive credit for them on admission. Those desiring to pursue advanced work in the department should elect Courses II. and III.

IV. TRIGONOMETRY, with applications. Problems in surveying, field work, spherical trigonometry (*first half-year*). Problems in navigation and astronomy, sextant and transit practice (*second half-year*). *Wed., Fri., at 8.* 26 O. H. PROFESSOR HOWLAND. (I.)

Course IV. is elective for those who have taken Course II.

V. ALGEBRA. An elementary college course (*first half-year*). ANALYTIC GEOMETRY. Advanced course (*second half-year*). *Mon., Wed., Fri., at 11.* 25 O. H. MR. CAMP. (IV.)

Course V. is elective for those who have taken Course III.

VI. DIFFERENTIAL AND INTEGRAL CALCULUS. Elementary course. *Mon., Wed., Fri., at 9.* 26 O. H. PROFESSOR HOWLAND. (II.)

Course VI. is elective for those who have taken Course III.

VII. DIFFERENTIAL EQUATIONS. A first course, with special reference to the differential equations of dynamics and physics. *Th., at 11, Sat., at 10.* 26 O. H. PROFESSOR HOWLAND.

Course VII. is elective for those who have taken Course VI.

[VIII. MODERN ANALYTIC GEOMETRY. Homogeneous coordinates; the projective properties of conics. *Twice a week.*]

Course VIII. is elective for those who have taken Courses V. and VI. It is omitted the present year.

[*IX. HIGHER ALGEBRA. Including a study of fundamental principles. Chrystal's Text-book. *Twice a week.*]

Course IX. is elective, with the permission of the instructor, for those who have taken Course III. It is omitted the present year.

[*X. THE THEORY OF INFINITE SERIES. *Twice a week.*]

Course X. is elective, with the permission of the instructor, for those who have taken Course III. It is omitted the present year.

XI.¹ THEORY OF FUNCTIONS. Elementary course. *Tu., Fri., at 11 (first half-year).* 26 O. H. PROFESSOR HOWLAND. (IV.)

Course XI. is elective for those who have taken Courses V. and VI.

[XII. THEORY OF ELLIPTIC FUNCTIONS. Elementary course. *Twice a week.*]

Course XII. is elective for those who have taken Course VI. It is omitted the present year.

XIII. MECHANICS. Statics: fundamental principles, simpler machines, stresses in frames. Dynamics: projectiles, central forces, moments of inertia, the conical pendulum. Text-book: Jeans's Theoretical Mechanics. *Mon., Wed., Fri., at 10.* 25 O. H. MR. CAMP. (III.)

Course XIII. is elective for those who have taken Course VI.

[XIV. THE METHOD OF LEAST SQUARES. With applications to astronomy and geodesy. *Twice a week.*]

Course XIV. is elective for those who have taken Course III.

XV. DESCRIPTIVE ASTRONOMY. Fundamental facts and principles; observatory work; reports. The course is designed to give such a knowledge of the subject as may properly constitute a part of a general liberal education. *Tu., Th., at 10.* 25 O. H. MR. CAMP. (IX.)

Course XV. is elective for those who have taken Courses I. and III.

[XVI. PRACTICAL ASTRONOMY. Theory of the sextant, transit, zenith telescope. Observatory practice. *Twice a week.*]

Course XVI. is elective for those who have taken Courses IV. and VI. It is omitted the present year.

[XVII. CELESTIAL MECHANICS. Introductory course, based on Moulton's Treatise. *Twice a week.*]

Course XVII. is elective for those who have taken Course XIII. It is omitted the present year.

PHYSICS.

PROFESSORS CRAWFORD AND CADY; MR. STEVENS.

NOTE.—Students who receive credit in physics on admission, but who do not take Course I., must give evidence by examination or otherwise of the requisite proficiency before being admitted to any of Courses III.-XIII.

I. ELEMENTARY PHYSICS. A general course, with experimental illustrations, following Crew's General Physics as a text-book. *Mon., Wed., Fri., at 10.* 34 S. L. PROFESSORS CRAWFORD and CADY. (III.)

Course I. is elective for those who have taken, or are taking, Course II. in mathematics. Students who have received credit in physics on admission to college, but who elect to take Course I. in class, in order to be allowed to pursue the more advanced courses in the department, will receive credit for *two* hours on their quota toward graduation.

II. ELEMENTARY PRACTICAL PHYSICS. This course is parallel with Course I. and may advantageously be taken with it. It is also required as an introduction to further laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSORS CRAWFORD and CADY.

Course II. is elective for those who have taken, or are taking, Course I., or who have received credit in physics on admission.

[III.¹ PROPERTIES OF MATTER; SOUND. *Three times a week (first half-year).* PROFESSOR CRAWFORD.]

Course III. is elective for those who have taken Course I. It is omitted the present year.

[IV.² LIGHT. *Three times a week (second half-year).* PROFESSOR CRAWFORD.]

Course IV. is elective for those who have taken Course I., and who have taken, or are taking, Course VI. in mathematics. It is omitted the present year.

V.¹ **HEAT.** A general course in the subject, omitting thermo-dynamics. It follows Edser's text-book on Heat, and includes a two-hour period of laboratory practice, about once a week, in place of one of the regular meetings of the class. *Mon., Wed., Fri., at 12 (first half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course V. is elective for those who have taken Course I.

VI.² **THERMO-DYNAMICS.** A course of lectures, with special application to the steam engine, and involving some elementary exercises in engine-testing. *Mon., Wed., Fri., at 12 (second half-year).* 40 S. L. PROFESSOR CRAWFORD. (V.)

Course VI. is elective for those who have taken Course V., and who have taken, or are taking, Course VI. in mathematics.

VII.¹ **ELECTRICITY AND MAGNETISM.** A general course of lectures and demonstrations, based largely upon S. P. Thompson's Elementary Lessons in Electricity and Magnetism. *Tu., Th., Sat., at 11 (first half-year).* 34 S. L. PROFESSOR CADY. (X.)

Course VII. is elective for those who have taken Course I.

VIII.² **APPLICATIONS OF ELECTRICITY AND MAGNETISM.** Lectures on arc and incandescent lighting, the telephone, telegraph, storage batteries, etc. *Tu., Th., Sat., at 11 (second half-year).* 34 S. L. PROFESSOR CADY. (X.)

Course VIII. is elective for those who have taken Course VII.

IX. **DYNAMOS, MOTORS, AND TRANSFORMERS.** Text-book and lectures on the elements of direct-current and alternating-current practice, with laboratory tests by the class. Norris's Introduction to the Study of Electrical Engineering is used as a text. *Tu., Th., Sat., at 9.* 34 S. L. PROFESSOR CADY. (VIII.)

Course IX. is elective for those who have taken Courses II. and VII., and who have taken, or are taking, Course VI. in mathematics.

[X. **MATHEMATICAL THEORY OF ELECTRICITY.** Text-book and lectures. *Three times a week.* PROFESSOR CADY.]

Course X. is elective for those who have taken Course VII. in physics, and Course VI. in mathematics. It alternates with Course IX., and is omitted the present year.

XI. PRACTICAL PHYSICS. Careful measurements in mechanics, heat, sound, and light. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).*
S. L. PROFESSOR CRAWFORD.

Course XI. is elective for those who have taken Course II. In general those electing it will be expected to have taken also one or more of the Courses III.-VII.

XII. EXPERIMENTAL ELECTRICITY. Laboratory practice and measurements in electricity and magnetism. Opportunity is afforded for some shop-work and for practical experience in running an engine and dynamo. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).*
S. L. PROFESSOR CADY.

Course XII. is elective for those who have taken Courses I. and II., and who have taken, or are taking, Course VII.

XIII. ADVANCED EXPERIMENTAL ELECTRICITY. Precise electrical measurements, experimental study of direct-current and alternating-current machinery, and other selected problems in electricity and magnetism. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).*
S. L. PROFESSOR CADY.

Course XIII. is elective for those who have taken Course XII., and either Course IX. or Course X.

GRADUATE INSTRUCTION.

Courses X. and XIII. are intended for advanced undergraduates and graduates. Further graduate courses in the various branches of physics may be arranged to meet individual needs.

DESCRIPTIVE GEOMETRY AND MECHANICAL DRAWING.

*DESCRIPTIVE GEOMETRY AND MECHANICAL DRAWING. Lectures and recitations, based on Adams's Descriptive Geometry, Part I., and Adams's Mechanical Drawing, together with practice in the draughting room. Problems in descriptive geometry are taken up relating to points, lines, planes, and surfaces, their intersections and developments, etc. The course includes also the care and use of drawing instruments, mechanical drawing from objects, sketching, lettering,

dimensioning, isometric projection, etc. *Six of the following hours: Mon., Wed., Fri., at 10; Mon., Wed., Fri., at 11; Sat., at 8; Sat., at 9. The choice must include Mon., Wed., at 10. Counting as three hours for the year.* 40 S. L. MR. STEVENS. (III.)

This course is elective, with the permission of the instructor, for those who have taken Courses I. and II. in mathematics. In general, preference is given to Seniors and to those whose previous work in mathematics and physics has been of high grade.

CHEMISTRY.

PROFESSOR BRADLEY; DR. RENSHAW; DR. TURRENTINE.

I. ELEMENTARY CHEMISTRY. Lectures and laboratory practice. The first half-year is devoted to the non-metallic elements; the second half-year, to the more common metals. *Tu., Th., Sat., at 10.* 3 J. H. PROFESSOR BRADLEY. (IX.)

Course I. is elective for Freshmen. Students who receive credit in chemistry on admission to college may be admitted to the second half of the course and receive credit for it.

II. PRINCIPLES OF GENERAL CHEMISTRY. A laboratory course, involving quantitative demonstrations. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Fri., at 2, and a third assigned period (three exercises a week).* CHEM. LAB. DR. TURRENTINE.

Course II. is elective for those who have taken Course I.

III. QUALITATIVE ANALYSIS. A laboratory course in basic, acid, and blow-pipe analysis. Lectures are given on the chemical problems involved in the detection of the more common bases and acids. The lectures occur on Mondays at 2, and attendance is required. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Fri., at 2, and a third assigned period (three exercises a week).* CHEM LAB. PROFESSOR BRADLEY and DR. TURRENTINE.

Course III. is elective for those who have taken Course I.

IV.¹ LIQUEFACTION OF GASES. Lectures, with experimental demonstrations, upon the history and theory of the liquefaction of gases, and upon some of the more important results of work at low temperatures. *Wed., Fri., at 10 (first half-year).* 3 J. H. PROFESSOR BRADLEY. (III.)

Course IV. is elective for those who have taken Course I. in chemistry, and Course I. in physics.

* V. QUANTITATIVE ANALYSIS. A laboratory course in the principles of quantitative analysis as illustrated by selected gravimetric, volumetric, colorimetric, electrochemical and gasometric methods, with lectures and class discussions. Written reports are required covering the theory involved. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Fri., at 2, and a third assigned period (three exercises a week).* CHEM. LAB. DR. TURRENTINE.

Course V. is elective, with the permission of the instructor, for those who have taken Course III.

VI. ORGANIC CHEMISTRY. Lectures upon the principles of organic chemistry as illustrated by the derivatives of methane and benzene. *Mon., Wed., Fri., at 11.* 3 J. H. DR. RENSHAW. (IV.)

Course VI. is elective for those who have taken either Course II. or Course III.

VII.¹ PHYSICAL CHEMISTRY. A lecture course devoted to a systematic treatment of modern chemical theory. The effect of the variables, heat, light, pressure, and electricity on chemical reactions is studied in detail. Special attention is given to the mass law and the phase rule. *Tu., Th., at 12 (first half-year).* 3 J. H. DR. TURRENTINE. (XI.)

Course VII. is elective for those who have taken Course III., and have taken, or are taking, Course V.

VIII.² INDUSTRIAL CHEMISTRY. Lectures and collateral reading. The applications of chemistry, and particularly of organic chemistry, to typical modern industries. *Wed., Fri., at 10 (second half-year).* 3 J. H. DR. RENSHAW. (III.)

Course VIII. is elective for those who have taken, or are taking, Course VI.

IX.³ ELECTRO-CHEMISTRY. Lectures. A description of electric processes for the preparation of compounds; electrolytic extraction and refining of metals; electro-plating; the theories of electrolysis and electrolytic dissociation. *Tu., Th., at 12 (second half-year).* 3 J. H. DR. TURRENTINE. (XI.)

Course IX. is elective for those who have taken Course III., and have taken, or are taking, Course V.

***IX.A.² APPLIED ELECTRO-CHEMISTRY.** A laboratory course devoted to the study of the phenomena of electrolysis; measurement of electrical constants; determination of current and energy efficiencies in electrolytic work; study of commercial methods of electrolytic plating and refining of metals, and the electro-chemical preparation of pigments and of organic and inorganic compounds in general. *Two exercises a week, at hours to be determined hereafter (second half-year).* CHEM. LAB. DR. TURRENTINE.

Course IX.A is elective, with the permission of the instructor, for those who have taken, or are taking, Courses V. and IX. in chemistry, and Course VII. in physics.

***X. ORGANIC CHEMISTRY.** A laboratory course devoted to the preparation of compounds of carbon, and to a study of typical reactions of organic chemistry. Each exercise occupies $2\frac{1}{2}$ hours. Those who elect three exercises a week devote the third term to proximate organic analysis. *Mon., Fri., at 2, and a third assigned period (two or three exercises a week).* CHEM. LAB. DR. RENSHAW.

Course X. is elective for two exercises a week, with the permission of the instructor, for those who have taken, or are taking, Course VI. It is elective for three exercises a week, with the permission of the instructor, for those who have taken Courses V. and VI.

XI.¹ PHYSIOLOGICAL CHEMISTRY. The chemistry of foods, digestion, assimilation, metabolism, respiration, and the excretions. *Mon., Wed., at 9 (first half-year).* 3 J. H. DR. RENSHAW. (II.)

Course XI. is elective for those who have taken Course VI.

***XII.² PHYSIOLOGICAL CHEMISTRY.** A laboratory course in the preparation of compounds and in methods of analysis of interest in physiological chemistry. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., Fri., at 2, and a third assigned period (three exercises a week, second half-year).* CHEM. LAB. DR. RENSHAW.

Course XII. is elective, with the permission of the instructor, for those who have taken Course V., and have taken, or are taking, Course XI.

XIII. THEORETICAL CHEMISTRY. Lectures upon the origin, development, and present status of the theory of the molecule and the atom. Attention is given to the corpuscular theory of atomic composition, and to the transformations of radio-active elements. *Wed., Fri., at 12.* I J. H. PROFESSOR BRADLEY. (V.)

Course XIII. is elective for those who have taken Courses V. and VI.

*XIV. CHEMICAL SEMINARY. Readings in current literature, with reports and discussions upon assigned topics. *Fri., at 8.* I J. H. PROFESSOR BRADLEY. (I.)

Course XIV. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses V. and VI.

GRADUATE INSTRUCTION.

Course XIV., although elective for undergraduates, is designed chiefly for graduates.

In addition, the following course is offered:

XV. LOW TEMPERATURE INVESTIGATION. Inquiry into special problems connected with the attainment and utilization of low temperatures. Facilities for this work are afforded by the liquid-air plant. PROFESSOR BRADLEY.

Course XV. may also be taken by undergraduates who are candidates for special honors in chemistry at graduation.

GEOLOGY.

PROFESSOR RICE; MR. BOWMAN.

I.¹ PHYSICAL GEOGRAPHY. Recitations and lectures, with Salisbury's Physical Geography for High Schools as a textbook. *Tu., Th., at 2 (first half-year).* 8 J. H. MR. BOWMAN.

Course I. is elective for Freshmen.

II. GEOLOGY. Elementary course. A course of lectures, chiefly on dynamical and structural geology. Dana's Revised Text-book of Geology is recommended for reference. *Tu., Th., at 12.* 8 J. H. PROFESSOR RICE. (XI.)

Course II. is elective for those who have taken I. Physics and I. Chemistry, and for others with permission of the instructor.

[III.¹ GEOLOGY. Advanced course in structural and dynamical geology. Recitations and lectures, with Le Conte's Elements of Geology, and Dana's Revised Text-book of Geology, as text-books. Special topics, with references, assigned from time to time, on which members of the class present reports or lectures. Excursions on Saturdays during the fall. The phenomena observed in an excursion are discussed at the next meeting of the class, one of the members of the class often giving a report or lecture thereon. *Three times a week (first half-year), counting as four hours a week.* PROFESSOR RICE.]

Course III. is elective for those who have taken Course II. It is desirable that those who take this course should have taken the course in physical geography. This course is omitted the present year.

[IV.² GEOLOGY. Historical geology and paleontology. Recitations and lectures, with same text-books as in Course III. Excursions on Saturdays during the spring term (required only of those who take also Course III.). *Three times a week (second half-year), counting as four hours a week for those who take also Course III.* PROFESSOR RICE.]

Course IV. is elective for those who have taken Course II., and who have taken, or are taking, the courses in zoölogy and botany. This course is omitted the present year.

V.¹ MINERALOGY. Crystallography and optical mineralogy. Lectures and practical exercises. Dana's Text-book of Mineralogy is used for reference. *Tu., Th., Sat., at 10 (first half-year).* 8 J. H. PROFESSOR RICE. (IX.)

Course V. is elective for those who have taken I., II., and III. Mathematics, I. Physics, and I. Chemistry.

VI.² MINERALOGY. Determinative and descriptive mineralogy. Laboratory work in determinative mineralogy, lectures on descriptive mineralogy. Brush and Penfield's Manual of Determinative Mineralogy, and Dana's Text-book of Mineralogy, are used for reference. *Tu., Th., Sat., at 10 (second half-year).* PROFESSOR RICE. (IX.)

Course VI. is elective for those who have taken Course V. It is very desirable that those who take this course should take or have taken III. Chemistry.

GRADUATE INSTRUCTION.

Courses III., IV., V., and VI., although intended primarily for undergraduates, have often been taken by graduate students.

Additional work is provided for graduate students. This may include courses of reading in various branches of geological science, field work, or laboratory work.

BIOLOGY.

PROFESSOR CONN; MR. WHITNEY.

I.¹ GENERAL BIOLOGY. This course is devoted to the study of the simpler laws of life, and the relations of animals and plants. Practical study is made of the earthworm, the frog, and some common plants, which are used as illustrating the general structure and physiology of animals and plants. This course is largely laboratory work and is designed as an introduction to the study of botany, zoölogy, and physiology. SECTION 1, *Mon., Fri., 2-4*; SECTION 2, *Mon., 2-4, Wed., 11-1 (first half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and MR. WHITNEY. (VI.)

Course I. is elective for Freshmen.

II.² BOTANY. This course is a continuation of Course I., and consists of lectures and recitations, and a large amount of practical work. It includes the study of physiological, morphological, structural, and microscopic botany. The course is chiefly devoted to the study of cryptogams, but this is followed by a short study of phenogams. The last four weeks are devoted to the analysis and description of flowers. SECTION 1, *Mon., Fri., 2-4*; SECTION 2, *Mon., 2-4, Wed., 11-1 (second half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and MR. WHITNEY. (VI.)

Course II. is elective for Freshmen who did not receive credit in botany on admission to college.

III. ZOÖLOGY. Lectures and recitations. Hertwig's Manual of Zoölogy. Typical examples, illustrating the various groups of the animal kingdom, are studied, attention being given to the general laws of development and the interrelationships of groups rather than to the systematic classification of species. The course includes the embryology of various forms studied, as well as their adult anatomy. In some groups paleontological evidence and general biological problems are discussed. A brief study of the principles of comparative anatomy is given at the end of the course. *Mon., Wed., Fri., at 9.* 8 J. H. PROFESSOR CONN and MR. WHITNEY. (II.)

Course III. is elective for Sophomores.

IV. PHYSIOLOGY. The instruction is given chiefly by lectures, Martin's Human Body being used as a text-book. Enough anatomy is given to render the physiological discussions intelligible, and enough hygiene to guide to an intelligent care of the body. *Tu., Th., at 11.* 8 J. H. PROFESSOR CONN. (X.)

Course IV. is elective for Sophomores.

* V. PRACTICAL BIOLOGY. The design of the courses in practical biology is to furnish opportunity for special biological work along such lines as may be best adapted to the future plans of the student. Those intending to study medicine devote their attention largely to the study of animals, including the dissection of some mammal. Those desiring a more general course make a brief examination of various groups of the animal and vegetable kingdoms.

Those electing the study for more than one year spend the first year in the study of biology in general, making a careful study of illustrative types of the different groups of the animal and vegetable kingdoms, such as amœba, infusoria, hydra, earthworm, bacteria, yeast, mold, lichen, moss, flowering plant, etc. The laboratory work is planned to illustrate, as far as possible, the principles of biology, comparative anatomy, and embryology. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and MR. WHITNEY.

Course V. is elective, with the permission of the instructor, for Sophomores.

VI. PRACTICAL BIOLOGY. The second year in practical biology is devoted to the study of histology, bacteriology, embryology, and mammalian anatomy. During the second half-year each student may pursue some special work assigned by the instructor. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and MR. WHITNEY.

Course VI. is elective for those who have taken Course V.

VII. PRACTICAL BIOLOGY. A course in laboratory work in continuation of Course VI. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN.

Course VII. is elective for those who have taken Course VI.

Courses V.-VII. are accompanied by lectures and recitations. The outline of the courses is somewhat variable and is determined according to the purposes and needs of each student.

VIII. EVOLUTION. A course of lectures and recitations, giving an outline of the general theory of evolution. Conn's *The Method of Evolution* is used as a text-book. *Wed., Fri., at 8.* 8 J. H. PROFESSOR CONN. (I.)

Course VIII. is elective for Juniors.

[IX. BACTERIOLOGY. A study of the general subject, chiefly by lectures, special attention being given to sanitary problems. *Twice a week (first half-year).* PROFESSOR CONN.]

Course IX. is elective for Juniors. Courses VIII. and IX. are given in alternate years, Course IX. being omitted the present year.

DAILY PROGRAM.

The order of lectures and recitations is set forth in the table given on pages 78 and 79. Roman numerals preceding the names of certain studies refer to the numbers of the courses as enumerated in the foregoing statement of courses of instruction. Arabic numerals, following the names of certain studies, indicate the sections into which the classes are divided. The figures ¹ and ² preceding the number of the course indicate respectively first and second half-year.

DAILY PROGRAM, 1908-1909

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.	<p>¹ XVI. Latin ² XVII. Latin Italian Debate I. History VI. Philosophy</p>	<p>VIII. Latin II. German, 1 II. French I. Eng. Language, 1</p>	<p>¹ XVI. Latin ² XVII. Latin V. French I. Eng. Language, 2 I. History IV. Mathematics Evolution</p>	<p>VIII. Latin II. German, 1 II. French I. Eng. Language, 3</p>	<p>¹ XVI. Latin ² XVII. Latin I. A. Greek VI. French I. History IV. Mathematics XIV. Chemistry Evolution</p>	<p>II. German, 1 II. French Descriptive Geom.</p>
9.	<p>I. Latin, 1 XIII. Greek, 1 & 2 ts. II. German, 2 IV. Eng. Literature II. Mathematics VI. Mathematics ¹ XI. Chemistry Zoology</p>	<p>I. Latin, 2 ¹ IX. German ² XI. German I. Economics II. Mathematics ² III. Mathematics IX. Physics</p>	<p>I. Latin, 1 XIII. Greek, 1 & 2 ts. II. German, 2 IV. Eng. Literature II. Mathematics VI. Mathematics ¹ XI. Chemistry Zoology</p>	<p>I. Latin, 2 ¹ IX. German ² XI. German I. Economics II. Mathematics ² III. Mathematics IX. Physics</p>	<p>I. Latin, 1 XIII. Greek, 1 & 2 ts. II. German, 2 IV. Eng. Literature II. Mathematics VI. Mathematics Zoology</p>	<p>I. Latin, 2 Pub. Speaking (Sen.) ¹ I. Mathematics ² III. Mathematics IX. Physics Descriptive Geom.</p>
10.	<p>VII. Latin I. Greek I. French, 1 IV. History IX. Philosophy ² X. Philosophy XIII. Mathematics I. Physics Descriptive Geom.</p>	<p>IV. Greek ² VI. Greek Dante in English Ethics Astronomy I. Chemistry Mineralogy</p>	<p>I. Greek I. French, 1 IV. History II. Philosophy, 1 IX. Philosophy ² X. Philosophy XIII. Mathematics I. Physics Descriptive Geom. ² IV. Chemistry ² VIII. Chemistry</p>	<p>IV. Greek ² VI. Greek Ethics Astronomy I. Chemistry Mineralogy</p>	<p>VII. Latin I. Greek I. French, 1 IV. History IX. Philosophy IX. Philosophy ² X. Philosophy XIII. Mathematics I. Physics Descriptive Geom. ² IV. Chemistry ² VIII. Chemistry</p>	<p>IV. Greek ² VI. Greek Pub. Speaking (Jun.) Ethics VII. Mathematics I. Chemistry Mineralogy</p>
11.	<p>III. German VII. Eng. Literature I. English Language II. Economics I. Philosophy</p>	<p>I. Latin, 3 II. Greek I. German, 1 I. French, 2 IV. French</p>	<p>I. A. Latin Italian VII. Eng. Literature II. Economics I. Philosophy ² VIII. Philosophy</p>	<p>I. Latin, 3 II. Greek I. German, 1 I. French, 2 IV. French</p>	<p>III. Greek VIII. Eng. Literature I. Philosophy V. Mathematics XI. Mathematics Descriptive Geom.</p>	<p>I. Latin, 3 I. German, 1 I. French, 2 Pub. Speaking (Soph.) VII. Physics</p>

DAILY PROGRAM, 1908-1909—(Continued)

Bear	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
11. Com.	#VIII. Philosophy V. Mathematics Descriptive Geom. VI. Chemistry	VI. Eng. Language V. Economics #XI. Mathematics #VII. Physics #VIII. Physics Physiology	V. Mathematics Descriptive Geom. VI. Chemistry #General Biology, 2 #Botany, 2	VI. Eng. Language V. Economics VII. Mathematics #VII. Physics #VIII. Physics Physiology	VI. Chemistry	#VIII. Physics
12.	XIII. Latin I. German, 2 I. English Literature III. History II. Philosophy, 2 IV. Physics #VI. Physics	#IV. Latin #V. Latin IV. German VIII. Eng. Language VI. Economics #VII. Chemistry #IX. Chemistry II. Geology	XIII. Latin I. German, 2 I. English Literature V. English Language III. History II. Philosophy, 2 IV. Physics #VI. Physics XIII. Chemistry #General Biology, 2 #Botany, 2	#IV. Latin #V. Latin IV. German VIII. Eng. Language VI. Economics #VII. Chemistry #IX. Chemistry II. Geology	XIII. Latin I. German, 2 V. English Language III. History II. Philosophy, 2 IV. Physics #VI. Physics XIII. Chemistry	
2.	IV. Philosophy II. III. V. IX. A. X., XII. Chemistry #General Biology #Botany	XI. Greek Spanish II. XI. XII., XIII. #Physics #Physical Geog. V., VI., VII. Biology		XI. Greek Spanish II. XI. XII., XIII. #Physics #Physical Geog. V., VI., VII. Biology	IV. Philosophy II. XI. XII., XIII. #Physics II. III. V. IX. A. X., XII. Chemistry #General Biology, 1 #Botany, 1	
3.	#IX. Greek #IX. Greek III. French III. Eng. Language II. III. V. IX. A. X., XII. Chemistry #General Biology #Botany	IV. German #VII. German II. XI. XII., XIII. #Physics V., VI., VII. Biology		IV. German #VII. German II. XI. XII., XIII. #Physics V., VI., VII. Biology	#IX. Greek #IX. Greek III. French II. XI. XII., XIII. #Physics II. III. V. IX. A. X., XII. Chemistry #General Biology, 1 #Botany, 1	

EXAMINATION GROUPS.

No student is allowed to take more than one course in any of these groups, with the exception of those (bracketed together) which are not given in the same half-year. The following courses are not assigned to any group, and may be elected without limitation: XI. Greek; Italian, Spanish; Debate; Public Speaking; VI. History; VIII. Economics; IV., XI. Philosophy; VII. Mathematics; II., XI., XII., XIII. Physics; II., III., V., IX. A, X., XII. Chemistry; Physical Geography; V., VI., VII. Biology.

I.—*M., W., Fri., at 8.*

{ XVI. Latin.

{ XVII. Latin.

I. A Greek, *F.*

V. French, *W.*

¹VI. French, *F.*

I. History.

VI. Philosophy, *M.*

IV. Mathematics, *W., F.*

XIV. Chemistry, *F.*

Evolution, *W., F.*

III.—*M., W., F., at 10.*

VII. Latin, *M., F.*

I. Greek.

IV. History.

{ IX. Philosophy.

{ X. Philosophy.

XIII. Mathematics.

I. Physics.

Descriptive Geometry, *M., W.*

{ ³IV. Chemistry, *W., F.*

{ ⁴VIII. Chemistry, *W., F.*

II.—*M., W., F., at 9.*

²I. Latin.

XIII. Greek.

IV. Eng. Literature.

II. Mathematics.

VI. Mathematics.

XI. Chemistry, *M., W.*

Zoölogy.

IV.—*M., W., F., at 11.*

⁵I. A Latin, *W.*

III. Greek, *F.*

III. German, *M.*

VII. Eng. Literature, *M., W.*

⁶VIII. Eng. Literature, *F.*

I. Eng. Language, *M.*

II. Economics, *M., W.*

¹ May be elected with V. French.

² May be elected with II. Mathematics.

³ May be elected with X. Philosophy.

⁴ May be elected with IX. Philosophy.

⁵ May be elected with I. English Language.

⁶ May be elected with VII. English Literature.

- I. Philosophy, *M., W.*
 VIII. Philosophy, *M., W.*
 V. Mathematics.
 XI. Mathematics, *T., F.*
 VI. Chemistry.

V.—M., W., F., at 12.
 XIII. Latin.
 7I. German.
 I. Eng. Literature, *M., W.*
 V. Eng. Language, *W., F.*
 III. History.
 II. Philosophy.
 { V. Physics.
 { VI. Physics.
 XIII. Chemistry, *W., F.*

VI.—M., F., at 3.
 { IX. Greek.
 { X. Greek.
 III. French.
 III. Eng. Language, *M.*
 { General Biology.
 { Botany.

VII.—T., Th., S., at 8.
 VIII. Latin, *T., Th.*
 II. German.
 II. French.

VIII.—T., Th., S., at 9.
 { IX. German, *T., Th.*
 { XI. German, *T., Th.*
 I. Economics, *T., Th.*
 { I. Mathematics.
 { III. Mathematics.
 IX. Physics.

IX.—T., Th., S., at 10.
 { V. Greek.
 { VI. Greek.
 Dante in English, *T.*
 Ethics.
 Astronomy, *T., Th.*
 I. Chemistry.
 Mineralogy.

X.—T., Th., S., at 11.
 II. Greek, *T., Th.*
 8I. French.
 IV. French, *T., Th.*
 VI. Eng. Language, *T., Th.*
 V. Economics, *T., Th.*
 { VII. Physics.
 { VIII. Physics.
 Physiology, *T., Th.*

XI.—T., Th., at 12.
 { IV. Latin.
 { V. Latin.
 IV. German.
 VIII. Eng. Language.
 VI. Economics.
 { VII. Chemistry.
 { IX. Chemistry.
 II. Geology.

XII.—T., Th., at 3.
 { V. German.
 { VII. German.

7 May be elected with any course in this group.

8 May be elected with any course in this group.

SELECTION OF STUDIES.

FRESHMAN YEAR.

A. FOR CANDIDATES FOR THE B. A. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including I. English Language, which is required of all. The choice must include one three-hour course in Latin or Greek, and one three-hour course from the following: Latin, Greek, mathematics, a modern language.

	Hours per week.
I. English Language, - - - - -	2
I. Latin, - - - - -	3
I.A Latin, - - - - -	1
I. Greek, - - - - -	3
I.A Greek, - - - - -	1
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	1
General Biology, - - - - -	1
Botany, - - - - -	1

B. FOR CANDIDATES FOR THE B. S. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week of the following courses, including I. English Language, which is required of all. Of the following courses, such as are not presented for admission must be passed in college:

Mathematics (either solid geometry and trigonometry or trigonometry and analytic geometry).

I. French and II. French.

I. German and II. German.

	Hours per week.
I. English Language, - - - - -	2
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	1
General Biology, - - - - -	1
Botany, - - - - -	1

SOPHOMORE, JUNIOR, AND SENIOR YEARS.

A student must elect in Sophomore and Junior years not less than *fifteen* nor more than *eighteen* hours per week of study, in Senior year not less than *thirteen* nor more than *eighteen* hours per week of study, inclusive of rhetorical exercises, which are rated as the equivalent of one hour per week each year. The requirement for graduation is *sixty* hours of work, inclusive of rhetorical exercises. After the Freshman year there are no required studies, except rhetorical exercises; but the election of studies must conform to the following requirements:

A. GROUP SYSTEM.

The departments of study are arranged in the following groups:

Group I.	Group II.	Group III.
Latin,	History,	Mathematics and
Greek,	Economics and Social	Astronomy,
German,	Science,	Chemistry,
Romance Languages,	Philosophy,	Physics,
English.	Ethics and Religion.	Geology,
		Biology.

A student's courses, including those of the Freshman year; must include at least *twelve* hours from Group I. and at least *nine* hours from each of Groups II. and III. Courses offered in college, but taken in preparatory school and presented for admission, may be counted in making up this requirement.

B. MAJOR STUDIES.

A student must elect a major study, the requirements for which are not less than *nine* nor more than *twelve* hours' work in a department, the studies constituting the major to be elected with the approval of the senior instructor in the department in which the major is elected. The major may consist wholly of studies in one department, or partly of studies in cognate departments, so chosen as to make a consistent program. The following courses are not allowed to count in making up a major:

I. English Language, the rhetorical exercises of the Sophomore, Junior, and Senior years, I. French, I. German, I. Physics, I. Chemistry, Botany, Physical Geography.



DEPARTMENTAL AND OTHER LECTURES, 1907-1908.

In addition to the Courses of Instruction named above, lectures are given each year under the auspices of various departments or of associations connected with the University. Most of these lectures are open to the public. In 1907-08 were given the following:

DEPARTMENTAL LECTURES.

DEPARTMENT OF PHILOSOPHY.—Professor Walter Goodnow Everett, Brown University. Subject: "Friedrich Nietzsche; a Study in the Ethics of Night."

Professor Josiah Royce, Harvard University. Subject: "Loyalty as a Principle of the Moral Life."

DEPARTMENT OF HISTORY.—Professor Theodore Clarke Smith, Williams College. Subject: "British and American Opinions of the Revolution."

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The Middletown Scientific Association, founded in 1871, has a membership of about ninety, taken partly from the college and partly from the town. Regular meetings are held on the second Tuesday of every month during the college year, in the lecture room of the John Bell Scott Memorial. During 1907-08 the following addresses were given:

Professor Albert Potter Wills, Columbia University. Subject: "A Hydrodynamic Analogy with Electricity and Magnetism."

Dr. William McDonald, Jr., Butler Hospital for the Insane, Providence, R. I. Subject: "Criminal Responsibility."

Professor Arthur Wesley Browne, Cornell University. Subject: "Some Recent Advances in Inorganic Chemistry."

Professor Herbert William Conn. Subject: "Hydrophobia."

Dr. Louis Agricola Bauer, Carnegie Institution of Washington. Subject: "A Magnetic Survey of the Oceans by the Carnegie Institution of Washington."

Mr. William Angell Viall, Brown & Sharpe Manufacturing Company, Providence, R. I. Subject: "Apprenticeship and Manual Training."

Professor Edward Williams Morley, West Hartford, Conn. Subject: "The Ether and Ether Drift."

Professor Morris Barker Crawford. Subject: "Steam Turbines."

Mr. Isaiah Bowman, Yale University. Subject: "An Expedition to Northern Chili and Bolivia."

THE CLASSICAL CLUB.

The Classical Club was founded in 1906 by about twenty of the students taking classical courses. Meetings are held every three weeks during the college year. The following address was given before the club in 1907-08:

Professor Karl Pomeroy Harrington. Subject: "A Roman Country Gentleman of the First Century."

THE FRENCH CLUB.

The French Club was founded in 1907 by a number of students taking courses in the department of romance languages. The following addresses were given before the club in 1907-08:

Dr. Irving Charles LeCompte, Yale University. Subject: "The Study of Romance Philology at the German Universities."

Mr. Ralph Clewell Super. Subject: "La Vie Parisienne: Causerie Intime."

Professor Oscar Kuhns. Subject: "La Suisse: Conférence illustrée de projections lumineuses."

GENERAL REGULATIONS.*

REGISTRATION.

Every student of the three lower classes is required to present to the Secretary of the Faculty, on or before the second Wednesday before Commencement, a list of the studies which he proposes to take the next college year. A fee of one dollar shall be paid by each student who fails to present such a list on or before that date. Every student is required to register at the beginning of the first term of each year, at which time changes may be made in the list of studies selected in June. A fee of two dollars shall be paid by each student who does not register at the time appointed.

QUOTA OF STUDIES.

The requirement for graduation is sixty hours of work, inclusive of rhetorical exercises, which are rated as the equivalent of one hour in each of the last three years. Freshmen must elect not less than fifteen nor more than eighteen hours of work per week, Sophomores and Juniors the same amount inclusive of rhetorical exercises, and Seniors not less than thirteen nor more than eighteen hours per week, inclusive of rhetorical exercises. No student will be allowed to take less than the minimum nor more than the maximum above specified, without special permission of the Faculty.

GRADES.

The general character of the work of each student in each study is indicated by his assignment to one of five grades, grade I denoting the highest excellence, and grade 5, failure

* Copies of the detailed Regulations may be obtained from the Secretary of the Faculty.

to pass. The Secretary of the Faculty sends to each student, within three weeks after Commencement, a report of his grades in all the studies which he has taken during the year.

EXAMINATIONS.

Regular examinations are held at the end of the year, and during a specified period in February. The allowance of absence from recitations is, in courses running through the year, three times the number of required exercises a week; in courses running through a half-year the allowance is proportionately diminished. A student who has taken the allowed number of absences in any course, exclusive of those excused by the President or by the Committee on Athletic and Musical Organizations, must thereafter present an excuse for every absence taken in that course, and in case he have one unexcused absence in addition to the number allowed, he is excluded from examination and must take a special examination later, paying a fee of five dollars. In the application of this rule, absences from the first or the last exercise of a term in any study, or consecutive absences including the first or the last exercise, are each reckoned as two absences. Absences of the same nature before or after the Thanksgiving recess are each reckoned as two absences.

Special written examinations are held during the week commencing with the Tuesday before the beginning of the first term for all who have been absent from any of the examinations of the previous year, or who have failed to pass in the same, except those who have been examined and failed to pass at both the regular examination in February and the special examination in the third term.

For the benefit of students deficient in second half-year subjects, special written examinations are held during the month of January, at times announced by the Secretary of the Faculty. For these examinations application must be made on or before the first Monday of the second term. A fee of five dollars is charged for each examination.

For the benefit of all students who have been absent from any of the examinations during the preceding part of the

year, or who have failed to pass in the same, special written examinations are held during the third term at times announced by the Secretary of the Faculty; provided that application for such examination is made by the candidate on or before the first Monday of that term.

A student who fails to pass a final examination in any study before that study is taken up by the next succeeding class, is required, unless specially excused therefrom, to recite with that class, or, in the case of an elective study, to substitute some other elective therefor. If, at the close of the special examinations held at the beginning of the year, a student is deficient by an amount equivalent to six or more hours of work a week for a year, he is ranked with the next lower class, unless specially excused therefrom by the Administration Committee of the Faculty.

ENTRANCE CONDITIONS.

A student who fails to make up entrance conditions on or before the first day of November of the next college year, is excluded from all recitations until the conditions are made up. A fee of five dollars is charged for an examination in entrance conditions after the regular examination for admission at the beginning of the student's second year in college.

PUBLIC WORSHIP.

Devotional services, at which the attendance of students is required, are held in Memorial Chapel every morning.

Voluntary religious services under the direction of the Young Men's Christian Association are held weekly.

LEAVE OF ABSENCE.

A student who desires excuse from college exercises on account of absence from town must apply to the President for permission to be absent, and, unless the circumstances of the case render it impracticable, such permission must be obtained before the student's departure.

STUDENT ORGANIZATIONS.

No member of the Senior or Junior class who is deficient in his college work more than two hours a week for a year, and no member of the Sophomore class who is deficient more than three hours a week for a year, is allowed to take part, as a member of a University athletic team, in any athletic contest, except by special permission; and any student whose college work becomes unsatisfactory at any time during the year may be debarred from taking part in such a contest.

Members of the college musical and dramatic organizations, who are deficient as specified in the preceding paragraph, are not allowed to appear in public performances given by those organizations.

No student under censure is allowed to serve, without permission of the Faculty, in any capacity on an athletic organization or on a musical or dramatic association giving public performances.

No Freshman who has entrance conditions amounting to three points is allowed to represent the college on any athletic, musical, or dramatic organization.

The administration of eligibility rules in athletics, except as regards scholarship, and the approval of schedules of games is in the hands of the Athletic Council, in which the Faculty is represented.

The approval of the schedules of public performances given by the musical and dramatic organizations is in the hands of committees of the Faculty.

EXPENSES.

The annual charges in the Treasurer's bill are as follows:—

Tuition,	-	-	-	-	-	-	-	-	\$85 00
Incidentals,	-	-	-	-	-	-	-	-	34 00
Use of library and reading-rooms,	-	-	-	-	-	-	-	-	6 00
Total,	-	-	-	-	-	-	-	-	\$125 00

For the laboratory courses in physics, chemistry, and biology, fees are charged, which vary with the nature of the course and with the number of exercises elected per week. The fee for

each exercise per week in practical physics, in practical biology, and in II., III., and XII. Chemistry, is five dollars; in V. Chemistry, eight dollars; and in X. Chemistry, ten dollars. Students electing the chemical courses named are required to make a deposit of five dollars, which is refunded at the close of the course after charges for breakage have been deducted.

A diploma fee of five dollars is charged to each student at graduation.

A fee of five dollars is required of every candidate for the Master's degree before his course of study can be approved by the Committee on Graduate Instruction.

A diploma fee of ten dollars is charged to each graduate student upon promotion to the Master's degree.

The college bills are payable soon after the beginning of each term. Unless the bill for any term is paid, or payment thereof guaranteed, on the day appointed, the student is liable to exclusion from recitations.

No student can have an honorable dismissal, or certificate of progress in his studies, until his bills are paid or payment thereof guaranteed.

A student who is absent from college on account of sickness, or for other cause, and who retains his place in his class, must pay the full college bills during his absence.

Board may be obtained in private families at prices varying from \$3.75 to \$5.00 a week. The college fraternities maintain clubs which supply board to their members at prices ranging from \$3.50 to \$5.00 a week. The price of board at the college dining hall is \$2.75 a week.

Women students must reside in Webb Hall unless they live in their own homes in the city. Those residing in Webb Hall are charged at the rate of five dollars and a half a week for board and room-rent. Those residing in the city are charged two dollars a term for the use of the study-room in Webb Hall.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. Instances have been extremely rare in which students of good ability and health have been compelled to leave college for want of money.

DORMITORY ACCOMMODATIONS.

The new North College, at the end of College Row, contains one hundred and one rooms that are available for students. Each room is lighted by electricity, heated by steam, and provided with a single bed, mattress, chiffonier, and desk for each occupant. The prices indicated below are for rent, heat, and care for the year. An extra charge for electric light is also made, the charge depending upon the candle-power furnished. A diagram showing the location of rooms, with dimensions, also a price-list giving number of occupants allowed in each room, will be sent upon application to the Secretary of the Faculty.

Seven rooms are rented in Observatory Hall, at a lower rate than is the case in North College. The prices below are for rent and heat for the year. The rooms are not furnished. They are lighted with either gas or electricity, for which an additional charge is made.

Male students are permitted to take lodgings in town, but the places in which they room or board are in all cases subject to the approval of the Faculty. If any of the rooms in the college are thus left vacant, the rent of such rooms may be charged to holders of free scholarships who room in town.

PRICES OF ROOMS FOR ONE OCCUPANT.

- \$38. Observatory Hall, No. 18.
- \$40. Observatory Hall, No. 6.
- \$66. North College, Nos. 4, 8, 15, 16, 23, 24, 41, 42, 50, 51, 64, 65, 73, 74, 91, 92, 98, 99.
- \$76. North College, Nos. 30, 35, 56.*
- \$80. North College, Nos. 7, 46, 69, 80, 85.†

PRICES OF ROOMS FOR TWO OCCUPANTS.

- \$60. Observatory Hall, Nos. 9, 11, 15, 17.
- \$75. Observatory Hall, No. 2.‡
- \$91. North College, Nos. 30, 35, 56.
- \$95. North College, Nos. 7, 46, 69, 80, 85.
- \$100. North College, Nos. 3, 9, 29, 36, 59, 79, 86, 95.

* Price \$91, if occupied by two persons.

† Price \$95, if occupied by two persons.

‡ Price \$85, if occupied by three persons.

\$124. North College, Nos. 5-6, 31-32, 33-34, 57-58, 81-82, 83-84, 93-94, 96-97 (price per suite of two rooms).

\$134. North College, Nos. 1-2, 13-14, 25-26, 27-28, 37-38, 39-40, 52-53, 54-55, 60-61, 62-63, 75-76, 77-78, 87-88, 89-90, 100-101 (price per suite of two rooms).

\$155. North College, Nos. 10-11-12, 17-18-19, 20-21-22, 43-44-45, 47-48-49, 66-67-68, 70-71-72 (price per suite of three rooms).*

PRICES OF ROOMS FOR THREE OCCUPANTS.

\$85. Observatory Hall, No. 2.

\$180. North College, Nos. 10-11-12, 17-18-19, 20-21-22, 43-44-45, 47-48-49, 66-67-68, 70-71-72 (price per suite of three rooms).

COLLEGE DINING HALL.

In order to reduce the expense of a college course, the college maintains a dining hall, where board may be obtained at a low rate. There is accommodation for about one hundred boarders. The college is responsible for the general management, the details being in charge of a steward who is responsible to a college officer. Bills are paid into the college treasury, and the college assumes all financial responsibility. The rate of board is at present two dollars and seventy-five cents a week.

* Price \$180, if occupied by three persons.

MATERIAL EQUIPMENT.

NEW BUILDINGS.

WILLBUR FISK HALL, opened in the summer of 1904, is occupied by the Departments of Language, Literature, History, Economics, and Philosophy. It is of Portland brown-stone and practically fire-proof, 113 by 62 feet in dimensions, three stories in height above a lofty and well-lighted basement story, and cost one hundred and fourteen thousand dollars. It contains ten private studies for professors in charge of departments, fourteen lecture rooms, seven commodious seminary rooms, and a well-appointed psychological laboratory.

In the planning and construction of the building careful attention was paid to matters of heating, lighting, ventilation, and drainage. It is believed that in dignity of external appearance, interior finish, convenience of arrangement, and adaptation at all points to the uses for which it is designed, it is a model college building.

THE JOHN BELL SCOTT MEMORIAL, a new Physical Laboratory, was completed in 1904 at a cost of one hundred and eighteen thousand dollars. It is the gift of the late Charles Scott and of his son, Charles Scott, of the class of 1886, in memory of John Bell Scott, of the class of 1881, who died of disease contracted while serving as Chaplain of the U. S. Cruiser *St. Paul* during the Spanish-American war.

It is a beautiful and imposing building constructed of Harvard brick and Indiana limestone. Its main part has a frontage of 102 feet and a depth of 51 feet, and in the rear is an extension 50 by 30 feet. The building consists of basement, three stories, and attic, except that the third story is omitted in the extension. The main lecture room contains nearly two hundred seats, and there is a smaller lecture room seating about forty persons. The building contains twenty-two rooms

for experimental work, elementary and advanced, in addition to lecture and apparatus rooms, photographic dark rooms, storerooms, offices, a library, and a room for draughting and computing. There is also a tower 4 by 6 feet in cross section, with a height of 54 feet in the clear, which can be used for experiments requiring great vertical extension.

The building is equipped with an exceptionally extensive and complete system of wiring for the purpose of distributing to all points, for experimental use, alternating and direct currents from the city mains as well as current from the storage battery in the basement. For the most part the interior is finished with exposed brick walls, painted a light tint, and with exposed floor timbers and pipe work.

THE NEW NORTH COLLEGE was occupied as a dormitory for men in January, 1908. It is of Portland brown-stone, practically fire-proof, 152 by 48½ feet in dimensions, four stories in height above a basement, and cost about \$135,000. The building contains one hundred and one rooms, arranged to satisfy varying demands. There are lavatories in the basement and on the third floor, supplied with tub and shower baths. The floor construction is of reinforced concrete throughout, and the stairs of iron and slate. The building is heated by steam from the central heating plant, and all rooms are lighted by electricity. All partitions in the basement, corridors and stair-wells are of hollow terra-cotta brick.

SOUTH COLLEGE, which formerly was used for recitation rooms and studies, has been remodelled to serve as an administration building. The entrance to the building has been raised and a new flight of steps constructed as an approach. The old wooden staircases have been replaced by new ones of iron, with slate treads. The first floor is used as a storeroom by the library. The second and third floors contain private offices for the President and the Secretary of the Faculty, a stenographer's room and a storeroom, and a spacious room, finished in quartered oak, to be used for faculty meetings and as a general office. On the fourth floor are a number of two-room suites for dormitory use.

LIBRARY AND READING-ROOMS.

THE LIBRARY in Rich Hall contains about eighty thousand volumes. The library is open every week-day of the college year from 8 A. M. to 10 P. M. Students are allowed direct access to the shelves. Copies of the library rules may be obtained from the Librarian.

The increase of the Library is provided for from the income of funds amounting to \$87,905. The Alumni Library Endowment of \$36,483 is the aggregate of numerous gifts from alumni and friends of the University. The Hunt Library Endowment of \$30,853 was willed to the University by the late Rev. Albert Sanford Hunt, D. D., of the class of 1851. The Wilcox Library Endowment of \$20,569 was willed to the University by the late Mrs. Stephen Wilcox.

On the first floor of Memorial Chapel is a reading-room, provided with daily and weekly newspapers. Another reading-room, on the second floor of Rich Hall, contains the current issues of the most important magazines and reviews, literary and scientific, American and foreign.

ASTRONOMICAL OBSERVATORY.

THE OBSERVATORY is used for purposes of instruction, and is well equipped therefor. Students in astronomy have frequent opportunities to examine the most interesting celestial objects through the telescope; and members of the class in practical astronomy are instructed in the theory and use of all the instruments in the observatory.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

A gift was received in 1903 from the late Joseph Van Vleck of Montclair, New Jersey, to be used toward the erection and equipment of a new astronomical observatory. This gift, with its accumulations, now amounts to about \$46,000.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a photographic registering apparatus, a chronograph, a Wheatstone stereoscope, a double projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a fall-tachistoscope for class-room demonstration, and a mirror exposure apparatus of new design for studies in the psychology of reading.

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 94. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In the department of electricity, facilities are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25-horse-power Ball engine, and a 17½ kilowatt direct current dynamo, which are used to generate part of the current required for lighting the college building, advanced students in the electrical courses being employed as engineers.

THE CRAWFORD MEMORIAL FUND. A fund of five thousand dollars has been given by Hanford Crawford, of St. Louis, in memory of the Reverend Morris D'Camp Crawford, who was a Trustee of Wesleyan University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the department of physics, or to the promotion of research in the same department.

THE CHEMICAL LABORATORY finds accommodation on the lower floors of Judd Hall. Two lecture and recitation rooms provide facilities for class instruction. The larger of the two is capable of seating one hundred and ten persons.

The laboratory courses are likewise accommodated in two rooms, one of which is reserved exclusively for the use of students in quantitative analysis. In the other, which is the general laboratory room, there are desks for more than fifty students.

The very valuable library of chemical periodicals collected by the late Professor Atwater is still housed in the chemical laboratory and remains accessible to instructors and students alike.

THE CRYOGENIC LABORATORY furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a complete liquid air plant, including a kerosene motor, a Norwalk compressor which delivers about twenty cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about four liters of liquid air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Four rooms are used for general laboratory purposes, of which one is devoted to miscellaneous laboratory work, one to physiological work, one to coarse dissection, and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study. The students of the department have also

the advantage of the use of the State Bacteriological Laboratory, recently located in the John Bell Scott Memorial.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanician. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenezer Hill, Esq., of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAYERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wyllys Street. Its dimensions are 55 by 120 feet.

The basement contains two bowling alleys, a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof, above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation, drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

The gymnasium is in charge of a competent director. Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is afforded for baseball, football, and field and track athletics. An outdoor board track has been built by one of the college fraternities in memory of Jesse Lyman Hurlbut, Jr., class of 1900. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practice at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. In 1908 a fine collection of birds' nests, and a collection of alcoholic reptiles and amphibians, from Portland and Cromwell, was received from Mr. Charles H. Neff. This department includes

about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879. The herbarium of Rev. Merrill Hitchcock, B. A., including about 700 specimens, of which about 200 are from Connecticut, was presented to the museum in 1908.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a most valuable accession in the gift of a set of the educational series of rock specimens described in Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection. The collections in paleontology have been very largely increased since 1893 by the work of the present curator in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in the vicinity of Chattanooga, Tenn., Cañon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. Especially important among these accessions are the collections of fossil fishes and plants from the Triassic

shales of the Connecticut valley, and of Tertiary fishes and plants from Fossil, Wyo., and Tertiary plants and insects from Florissant, Col. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by Clarence S. Wadsworth, B. A.; and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., Mrs. W. W. Wilcox, Rev. John Gowdy, B. A., and Rev. Joseph Beech, Ph. B. The collection of coins numbers about 4,500, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Other valuable collections of Chinese coins have been received from Rev. John Gowdy, B. A., and Rev. Joseph Beech, Ph. B. A valuable collection of Greek and Roman coins and facsimiles of such coins, historical medals, and copies of such medals, was presented to the Museum in 1906 by Stephen H. Olin, LL. D. Additional specimens subsequently presented by Dr. Olin bring the number of specimens in this collection up to about 600. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy

and geology. The coins (with the exception of the Olin collection and certain other special collections placed on exhibition in the museum) are kept in a case in the library, where they can be seen by students and others on special application. Small collections illustrative of classical archæology are kept in the seminary rooms.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOÖLOGY.

Mammals—skins mounted and unmounted, - - -	200
alcoholic, - - -	50
skulls and skeletons, - - -	110
Birds—skins mounted and unmounted, - - -	1,700
nests and eggs, - - -	700
Reptiles, - - -	600
Amphibians, - - -	200
Fishes, - - -	2,100
Insects—pinned and alcoholic, - - -	6,500
nests, borings, etc., - - -	50
Crustacea, - - -	1,500
Worms, - - -	1,800
Mollusks—shells, - - -	90,000
alcoholic, - - -	4,000
Echinoderms, - - -	1,000
Cœlentera, - - -	1,700
Sponges and protozoa, - - -	150

DEPARTMENT OF BOTANY.

Plants in herbarium, - - -	11,400
Specimens of wood, - - -	300
Miscellaneous botanical specimens, - - -	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks, - - -	21,000
Fossils—Paleozoic, - - -	11,500
Mesozoic, - - -	3,700
Cenozoic, - - -	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens, - - -	3,400
Coins, - - -	6,800

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

The heirs of Mr. Ralph Mead have transferred to the University the perpetual scholarship issued in his name. This scholarship, which is at the disposal of the President, exempts the holder from the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, B. A., of the class of 1859. In accordance with its provisions, the income of \$6,947 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIP.

This scholarship was founded by Miss Louisa Loveland. The income of \$2,593 is available, at the discretion of the Faculty, for the use of a deserving student who needs pecuniary assistance. For this scholarship only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church, can be candidates.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,068 is given annually to that member of the Senior or Junior class who is named by the

Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates.

THE ACKLEY SCHOLARSHIP.

This scholarship was founded by Mrs. Helen E. Ackley. The income of \$2,000 is given annually to such young women among the undergraduates as in the opinion of the Board of Trustees are deserving of assistance.

SCHOLARSHIP FUNDS.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Frank S. Jones Scholarship Fund, \$1,034, founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$3,603, founded by William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,213, founded by John J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory of Hon. George W. Shonk, B. A., of the class of 1873.

The Starks Scholarship Fund, \$1,040, founded by Mrs. Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,040, founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,075, founded by Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$3,113, founded by James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$10,702, founded by Mrs. Annie M. Swift, of Chicago, Ill., in memory of her husband, Gustavus F. Swift.

The George G. Reynolds Scholarship Fund, \$2,041, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y.

The Cyrus D. Jones Scholarship Fund, \$2,551,
founded by Cyrus D. Jones, of Scranton, Pa.

The Harriet Townsend Reynolds Scholarship Fund,
\$2,528, founded by Hon. George G. Reynolds, LL. D.,
class of 1841, of Brooklyn, N. Y., in memory of his
wife.

The Frank Reynolds Scholarship Fund, \$2,528,
founded by Hon. George G. Reynolds, LL. D., class of
1841, of Brooklyn, N. Y., in memory of his son, who
graduated in 1868.

The Abigail Pennoyer Reynolds Scholarship Fund,
\$2,500, founded by Hon. George G. Reynolds, LL. D.,
class of 1841, of Brooklyn, N. Y., in memory of his
mother.

LOAN FUND.

Besides the scholarships above mentioned, there is a small
fund from which loans are made to deserving students in the
Junior and Senior classes. These loans bear a moderate rate of
interest and are payable usually after graduation.

COLLEGE HONORS.



PRIZES.

THE HARRINGTON PRIZE.—A prize of fifty dollars, the gift of Rev. Edmund Mead Mills, D. D., in memory of Professor C. S. Harrington, is awarded for the best essay on some specified subject in the department of history. The subject for the essay of 1909 is: The Political and Constitutional History of Connecticut under Governors Treadwell, Griswold, Smith, and Wolcott, 1809-1827. The competition is open to Juniors and Seniors who are taking, or have taken, courses in the department other than Course I. The essays must be left with the head of the department on or before May 31, 1909.

THE JOSEPH D. WEEKS PRIZE.—A prize of fifteen dollars is awarded for the best essay on some specified subject in the department of economics. The subject for the essay of 1909 is: Wealth, Luxury, and Christian Doctrine. The essays must be left with the head of the department on or before the third Monday in May (May 17, 1909).

THE PEIRCE PRIZE.—A prize of ten dollars, the income of a fund given by Rev. Bradford K. Peirce, D. D., is awarded for excellence in natural science. It will be given in 1909 upon a special examination based on Course II. in geology. The subject of the examination in 1910 will be biology; in 1911, chemistry.

THE PHI BETA KAPPA PRIZE.—A prize of twenty-five dollars, the gift of the Connecticut Gamma of Phi Beta Kappa, is awarded for excellence in Latin. It will be given in 1909 upon a special examination in the Satires and the Ars Poetica of Horace.

THE G. BROWN GOODE PRIZE.—A prize of ten dollars, the gift of Mrs. G. Brown Goode, is awarded for the best original investigation in the department of natural history.

THE JOHN BELL SCOTT PRIZE.—A prize of forty-five dollars, the income of a fund given by the late Charles Scott, is awarded for excellence in the modern languages. It will be given in 1909 for the best essay on "Schiller's Dramatic Development." In 1910 the prize will be given for special work in the department of romance languages.

No person who has once taken either the Harrington, the Joseph D. Weeks, the Phi Beta Kappa, or the G. Brown Goode prize, may compete for it again.

THE WEEKS PRIZE.—A prize of fifteen dollars is awarded for excellence in modern philosophy. It will be given in 1909 for the best examination in Courses IX. and X. in philosophy, and for additional work to be assigned by the instructor.

THE CAMP PRIZE.—A prize of twenty dollars, the income of a fund given in memory of Samuel T. Camp, is awarded for excellence in English literature. It will be given in 1909 upon a special examination in Course I. in English literature.

THE JOHNSTON PRIZE.—A prize of twenty-five dollars, the gift of Rev. David G. Downey, D. D., in memory of Professor John Johnston, is awarded for excellence in electricity. It will be given in 1909 upon a special examination based on Course VII. in physics.

THE SPINNEY PRIZE.—A prize of fifteen dollars is awarded for excellence in Greek. It will be given in 1909 for special work based in part on the first half of Course II. in Greek.

THE RICE PRIZE.—A prize of twenty dollars, given in memory of Rev. William Rice, D. D., is awarded for excellence in mathematics. It will be given in 1909 upon a special examination based on Course VI. in mathematics.

THE WALKLEY PRIZE.—A prize of twenty dollars, the income of a fund given by Webster R. Walkley, M. A.—*in memoriam* David Hart Walkley, born April 23, 1857; graduated June 27, 1878; died September 16, 1878,—is awarded for excellence in psychology. It will be given in 1909 for the best examination on the work of the elementary course in psychology, including the references and collateral readings.

Students who compete for either the Weeks, the Camp, the Johnston, the Spinney, the Rice, or the Walkley prize must do so during the year in which they regularly pursue the course or courses on which the examination for the prize is based.

THE WISE PRIZE.—A prize of twelve dollars, the income of a fund given by Rev. Daniel Wise, D. D., is awarded to that member of the Senior class who excels in ethics. It will be given in 1909 to that member of the Senior class who presents the best paper on "The Authority of Conscience."

THE PRENTICE PRIZE.—A prize of twenty-five dollars, given by Mrs. Elizabeth Brooks Prentice in memory of Professor George Prentice, is awarded to that member of the Senior class who excels in German. It will be given in 1909 upon a special examination based on Course XI. in German.

THE SHERMAN PRIZE.—A prize of ten dollars, the income of a fund given by Rev. David Sherman, D. D., is awarded this year to that member of the Freshman class who excels in mathematics. It will be given upon a special examination based on Course II. in mathematics. The subject of the examination in 1910 will be Latin; in 1911, Greek.

THE AYRES PRIZE.—A prize of forty-five dollars, the income of a fund given by Daniel Ayres, M. D., LL. D., is awarded to that member of the Freshman class who is found upon a special examination, held shortly after the beginning of the college year, to have attained the highest excellence in the studies preparatory to admission to the classical course.

THE RICH PRIZE.—A prize of twenty-five dollars, the income of a fund given by Isaac Rich, in memory of his wife, is awarded to that member of the Senior class whose oration at Commencement is deemed best in composition and delivery. These orations must not exceed twelve hundred words in length, and must be left with the Professor of English Literature on or before the second Tuesday preceding Commencement (June 22, 1909).

THE OLIN PRIZE.—A prize of sixty-five dollars, the income of a fund given by Mrs. Julia M. Olin, and increased by Stephen

Henry Olin, LL. D., is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1909 is: What Constitutes To-day a Liberal Education? The subject for the essay of 1910 is: Samuel Johnson. Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 19, 1909).

THE MEAD PRIZE.—A prize of twenty dollars, in memory of Rev. Merritt Bates Mead, is awarded to that member of the Junior class who writes the best English essay. Essays in competition for this prize must not exceed twelve hundred words in length, and must be left with the Professor of the English Language on or before the first Saturday of the third term (April 17, 1909).

THE COLE PRIZE.—A prize of thirty-five dollars, the gift of George Henry Walker, B. S., in memory of Charles Edward Cole, is awarded to that member of the Sophomore class who maintains the highest standing in English composition from the mid-year period of his Freshman year to the end of his Sophomore year. Competition for this prize will begin at the mid-year period of 1909-1910.

JUNIOR EXHIBITION PRIZES.—Two prizes, of twenty and fifteen dollars respectively, are awarded to the two members of the Junior class who present the best orations at the annual Junior Exhibition. In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 17, 1909).

THE BRIGGS PRIZE.—A prize of sixty dollars, the income of a fund given by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

THE CALEF PRIZE.—A prize of fifty dollars, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

THE PARKER PRIZE.—A prize of ten dollars, the income of a fund given by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

THE HIBBARD PRIZE.—A prize of ten dollars, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

THE TAYLOR PRIZE.—A prize of ten dollars is awarded to that student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1907-1908.

The Harrington Prize, to WALTER RICKETSON MITCHELL, 1908, and FRANK HATCH STREIGHTOFF, 1909.

Committee of Award:—George Seymour Godard, B. D., Librarian of the State Library of Connecticut.

The Joseph D. Weeks Prize, to ERNEST ALEXANDER INGLIS, 1908.

The Peirce Prize, to MARION WILSON GREENE, 1910.

Committee of Award:—Professor Leverett Mears, Ph. D., of Williams College.

The Phi Beta Kappa Prize, to CARLL WHITMAN DOXSEE, special student.

Committee of Award:—Professor Charles Upson Clark, Ph. D., of Yale University.

The G. Brown Goode Prize, to HAROLD JOEL CONN, 1908.

The John Bell Scott Prize, to ROBERT PARSONS BRIDGE, 1910.

Committee of Award:—Irville Charles LeCompte, Ph. D., Instructor in Yale University.

The Weeks Prize, to HERBERT PARSONS PATTERSON, 1908.

The Camp Prize, to WALTER PARKS BLISS, 1910, and JOHANNA MARIA ELIZABETH ZEILITZ, 1910.

The Johnston Prize, to RAYMOND LIVINGSTON GILLISPIE, 1910.

The Spinney Prize, to GEORGE MACHIN STOCKDALE, 1910.

The Rice Prize, to WILLIS ALEXANDER GIBBONS, 1910.

The Walkley Prize, to PHILIP LOMBARD GIVEN, 1909.

The Wise Prize, to CHARLES EDWARD GRAVES, 1908.

The Prentice Prize, to ELIZABETH NORTON SWEET, 1908.

Committee of Award:—Professor Otto Manthey-Zorn, Ph. D., of Amherst College.

The Sherman Prize, to FALES NEWHALL, 1911.

The Rich Prize, to ROBERT WATERMAN RICE, 1908.

Committee of Award:—Reverend Wilbur Patterson Thirkield, D. D., LL. D., President of Howard University; Professor Stockton Axson, M. A., of Princeton University; and Reverend Edward Summerfield Ninde, D. D., of Providence, R. I.

The Olin Prize, to CHARLES FRANKLIN EDSALL, 1908.

Committee of Award:—Professor Frederick Morgan Davenport, Ph. D., of Hamilton College.

The First Junior Exhibition Prize, to JOHN TIEBOUT HANCOCK, 1909.

Committee of Award:—Reverend Ellis Bishop, B. A., of Berkeley Divinity School; Reverend Charles Wesley Flint, M. A., of Middletown; and Professor Walter Guyton Cady, Ph. D.

The Second Junior Exhibition Prize, to WILLIAM RINEHART BARBOUR, 1909.

Committee of Award:—Same as for the First Junior Exhibition Prize.

The Briggs Prize, to WILLIAM RINEHART BARBOUR, 1909, and JESSE DAVID ROBERTS, 1910.

Committee of Award:—Elmer Goodrich Derby, LL. B., of Middletown; Professor Morris Barker Crawford, M. A.; and Albert Davis, Ph. D.

The Calef Prize, to JESSE DAVID ROBERTS, 1910.

Committee of Award:—Honorable Eldon Benjamin Birdsey, B. A., LL. B., of Middletown; Honorable Albert Randolph Crittenden, of Middletown; and Charles Robert Gaston, Ph. D., of New York.

The Parker Prize, to WILLIAM RINEHART BARBOUR, 1909.

Committee of Award:—Same as for the Calef Prize.

The Hibbard Prize, to HARVEY FRANKLIN CONNOR, 1911.

Committee of Award:—Same as for the Calef Prize.

The Ayres Prize, to GEORGE LANDON BUCK, 1912, prepared at Phillips Exeter Academy, Exeter, N. H.

APPOINTMENTS FOR JUNIOR EXHIBITION AND COMMENCEMENT.

The Junior Exhibition is held on the third Thursday evening of the spring term (April 29, 1909). The speakers are selected from the men of the Junior class according to their grade in composition subsequent to the Freshman year and by means of a special contest in declamation. The selection of speakers for Commencement, from the men of the Senior class, is determined by their grade in the rhetorical exercises of the Junior and the Senior year and by a special contest in declamation. The number of speakers at each of these public exercises is limited to eight.

The speakers last year were:—

JUNIOR EXHIBITION.

Ernest Francis Amy,	Frank Lewis Hewitt,
William Rinehart Barbour,	Eric McCoy North,
Philip Lombard Given,	Frank Hatch Streightoff,
John Tiebout Hancock,	Harvey Alden Wooster.

Henry Olin, LL. D., is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1909 is: What Constitutes To-day a Liberal Education? The subject for the essay of 1910 is: Samuel Johnson. Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 19, 1909).

THE MEAD PRIZE.—A prize of twenty dollars, in memory of Rev. Merritt Bates Mead, is awarded to that member of the Junior class who writes the best English essay. Essays in competition for this prize must not exceed twelve hundred words in length, and must be left with the Professor of the English Language on or before the first Saturday of the third term (April 17, 1909).

THE COLE PRIZE.—A prize of thirty-five dollars, the gift of George Henry Walker, B. S., in memory of Charles Edward Cole, is awarded to that member of the Sophomore class who maintains the highest standing in English composition from the mid-year period of his Freshman year to the end of his Sophomore year. Competition for this prize will begin at the mid-year period of 1909-1910.

JUNIOR EXHIBITION PRIZES.—Two prizes, of twenty and fifteen dollars respectively, are awarded to the two members of the Junior class who present the best orations at the annual Junior Exhibition. In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 17, 1909).

THE BRIGGS PRIZE.—A prize of sixty dollars, the income of a fund given by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

THE CALEF PRIZE.—A prize of fifty dollars, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

THE PARKER PRIZE.—A prize of ten dollars, the income of a fund given by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

THE HIBBARD PRIZE.—A prize of ten dollars, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

THE TAYLOR PRIZE.—A prize of ten dollars is awarded to that student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1907-1908.

The Harrington Prize, to WALTER RICKETSON MITCHELL, 1908, and FRANK HATCH STREIGHTOFF, 1909.

Committee of Award:—George Seymour Godard, B. D., Librarian of the State Library of Connecticut.

The Joseph D. Weeks Prize, to ERNEST ALEXANDER INGLIS, 1908.

The Peirce Prize, to MARION WILSON GREENE, 1910.

Committee of Award:—Professor Leverett Mears, Ph. D., of Williams College.

The Phi Beta Kappa Prize, to CARLL WHITMAN DOXSEE, special student.

Committee of Award:—Professor Charles Upson Clark, Ph. D., of Yale University.

The G. Brown Goode Prize, to HAROLD JOEL CONN, 1908.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 19, 1909).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year, and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than sixteen hours a week.

2. Courses I., I.A, II., and either III. or IV. in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.–VII. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I.–IV. in Latin.

German.—1. Courses I.–IV., IX.–XII., and one of Courses V., VI., and VII. in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Course IV. in English language.

Romance Languages.—1. Courses I.–VI. in French, and any two other courses in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a) Five courses in English literature; Course IV. or Course VI. in English language; two courses in French, or two courses in German.

(b) Four courses in English language; two courses in English literature; two courses in German and one course in French, or two courses in French and one course in German.

History.—1. All the courses in history.

2. Any three courses in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III. in history.

Philosophy.—One of the following groups of courses:

(a) Courses I.–IV. and VI.–XI. in philosophy, the course in ethics, and the course in theism.

(b) Courses I.–V. and VII.–X. in philosophy, and Courses IV. and VIII. in biology.

Mathematics.—1. Courses in mathematics and astronomy amounting in the aggregate to not less than nineteen hours a week.

2. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course VI. in mathematics in the Sophomore year.]

Physics.—1. Course I. in physics.

2. Two years of practical physics, amounting in the aggregate to not less than five hours a week.

3. Not less than the equivalent of nine hours per week for a year, chosen from Courses III.–X. in physics, and Course XIII. in mathematics.

4. Course I., and either Course II. or Course III. in chemistry.

5. Course VI. in mathematics.

Chemistry.—1. Courses I., III., V., VI., and XIII. in chemistry.

2. (*a*) Courses II. and VII. in chemistry, Course I. in physics, and one year of practical physics; or (*b*) Courses X., XI., and XII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.–VI. in geology.

2. The course in descriptive astronomy.

3. Courses II. and III. in biology.

4. Not less than two of the following courses:—V., VI., and VII. Biology, III. and V. Chemistry, and IV. Physics.

Biology.—1. Courses I.–IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).

3. Courses I. and II. in geology.

4. Course I. in chemistry.

5. Either Course II. or Course III. in chemistry or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 28, 1909).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.



AWARD OF HONORS, 1907-1908.

HONORS IN GENERAL SCHOLARSHIP.

HIGH HONORS.

Harold Joel Conn,

Donald Monroe Gilbert.

HONORS.

Wesley Converse Atkins,
Raymond Scofield Curtice,
Charles Franklin Edsall,
Arthur Rollins Graves,
Charles Edward Graves,

Ernest Alexander Inglis,
Herbert Parsons Patterson,
Frank Warren Roberts,
Frederick Elisha Shapleigh,
William Crawford White.

Unade Barnes,

Elizabeth Norton Sweet.

HONORS IN SPECIAL DEPARTMENTS.

HIGH HONORS.

Biology.

Harold Joel Conn. Bacteriology. Thesis: "The Conjugatæ of the Fresh Waters of Connecticut."

HONORS.

Biology.

Kenneth Noël Atkins. Bacteriology. Thesis: "The Lactic Acid-Forming Bacteria in the Milk Supply of New London."

PRELIMINARY HONORS.

Mathematics.

Juniors.

Stanley Gilman Barker,

Stanley Davis Wilson.

Ethel Clara Burr.

Sophomores.

Willis Alexander Gibbons,

Raymond Livingston Gillispie.

Classics.

Sophomores.

Carll Whitman Doxsee,

George Machin Stockdale.

DEGREES.

The following degrees are conferred by the University, in course:—

BACHELOR OF ARTS.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Classical Course.

BACHELOR OF SCIENCE.—This degree is conferred on those who complete in a satisfactory manner all the required studies, and the prescribed quota of elective studies, in the Scientific Course.

The baccalaureate degree is awarded *summa cum laude* to a student who takes high honors both in general scholarship and in one or more departments; *magna cum laude*, to a student who takes a high honor either in general scholarship or in one or more departments; *cum laude*, to a student who takes an honor either in general scholarship or in one or more departments.

MASTER OF ARTS AND MASTER OF SCIENCE.—The degrees of Master of Arts and Master of Science are conferred in accordance with the following regulations:—

1. The degree of Master of Arts is conferred upon Bachelors of Arts of Wesleyan University, of at least one year's standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued in residence for a period of not less than one year.* This course of study is under the full

* Candidates for the Bachelor's degree may, in their Senior year, be admitted to study for the Master's degree, and may count the year as satisfying the requirement of one year's study in residence, provided that the amount of their undergraduate work remaining to be completed at the close of the September special examinations does not exceed four hours. The Master's degree is not conferred, however, on such candidates until the Commencement succeeding that at which the Bachelor's degree has been conferred.

direction of a Committee of the Faculty on Graduate Instruction, composed of three permanent members with the addition of the instructor in charge of each department in which the candidate pursues work.

Bachelors of Philosophy of Wesleyan University who have been enrolled as candidates for the Master's degree prior to Commencement, 1908, and who complete their courses of study after that date, are eligible for the degree of Master of Arts.

Bachelors of Philosophy of Wesleyan University who after Commencement, 1908, apply for the Master's degree are eligible for the degree of Master of Arts.

2. In the case of Bachelors of Arts of other colleges whose course of study is accepted by the Committee on Graduate Instruction, or who pass such additional examinations as the Committee may prescribe, the degree of Master of Arts is conferred on the conditions prescribed in the case of Bachelors of Arts of Wesleyan University pursuing a course of study in residence.

3. The degree of Master of Arts is also conferred upon Bachelors of Arts of Wesleyan University, of at least three years' standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued *in absentia*, and equivalent in amount to that prescribed in the case of resident graduate students; and in all other particulars the same regulations hold in the case of non-resident as in the case of resident students. The degree is also conferred upon Bachelors of Arts of Wesleyan University, of two years' standing, at the satisfactory conclusion of a course of study pursued *in absentia*, on the conditions above specified, provided that the candidate has spent the two years in resident study in a non-professional department of some other university.

4. The degree of Master of Science is conferred upon Bachelors of Science of Wesleyan University, and upon graduates of other colleges holding an equivalent degree, under the same conditions which govern in the case of the degree of Master of Arts.

5. Bachelors of Science of Wesleyan University, and graduates of other colleges holding a Bachelor's degree other than

that of Bachelor of Arts, who pass such examinations in Greek or Latin, and in other literary studies, as the Committee on Graduate Instruction may prescribe, are admitted to the degree of Master of Arts on the conditions prescribed in the case of Bachelors of Arts.

6. A fee of five dollars (payable to the Secretary of the Committee) is required of every candidate for the Master's degree at his enrolment; and a fee of ten dollars (payable to the Treasurer of the University) is required when the degree is conferred.

7. Evidence of the candidate's proficiency in the approved course of study is given in one or more of the following ways, as the Committee may prescribe: (*a*) by examinations, oral or written; (*b*) by a thesis; (*c*) by the exhibition of scientific specimens, preparations or processes. All such tests of proficiency are under the direction of the Committee, and they report to the Faculty proper candidates for the degree.

In addition to these regulations of the Trustees, the Committee on Graduate Instruction has from time to time adopted standing rules of procedure, among which the following should be noted as specially important:—

Unless the Committee, for important reasons, determines otherwise in some specific case, no examinations will be given (except in regular college courses), and no thesis or other work prescribed in preparation for the degree will be received, later than the second Saturday before Commencement in the academic year in which the candidate desires to be recommended for the degree.

No time-limit is generally fixed within which courses for the Master's degree must be completed. But candidates who have not completed their work at the expiration of six years from the date of their enrolment, must renew their enrolment, if they wish to continue their courses. For such renewal no fee will be required.

A complete statement of these rules may be obtained by applying to the Secretary of the Committee on Graduate Instruction, (in care of the Office of the University, South College), to whom also all communications from prospective candidates should, in the first instance, be addressed.

DEGREES CONFERRED, JUNE, 1908.

DEGREES IN COURSE.

The Degree of Bachelor of Arts was conferred on:—

Edgar Adamson Butters,	Walter Ricketson Mitchell,
Orliff van Heik Chase,	Raymond Silas Munson,
Charles Fremont Cleaveland, Jr.,	Herbert Parsons Patterson,
Leon Hilliard Curtice,	Charles John Peterson,
Raymond Scofield Curtice,	Arthur Gerald Hubert Power,
Howard Raymond Doty,	Lewis Knapp Smith,
Russell Goodier Dunmore,	Frederic Stewart,
Charles Franklin Edsall,	James Simpson Thomas,
Harry Alexander Grant,	George Benjamin Tompkins,
Arthur Rollins Graves,	John Barwis Van Horn,
Charles Edward Graves,	Randolph Dykeman West,
Edward Bivens Gray,	George William Wriston.
Unade Barnes,	Elizabeth Norton Sweet.

The Degree of Bachelor of Philosophy was conferred on:—

Lewis Allen, Jr.,	Ernest Alexander Inglis,
Kenneth Noël Atkins,	Samuel Booth Moore, Jr.,
Harold Joel Conn,	Lansing David Odell,
John Crane Day,	William Robinson Pillsbury,
Walter Everett Doe,	Frank Warren Roberts,
Gordon Clark Douglass,	Harold Gale Rogers,
Harry Aytoun Dresser,	Leonard Osborne Ryan,
Donald Monroe Gilbert,	Gilbert Haven Thirkield,
Paul Miller Held,	Rufus Harold Tilton.

The Degree of Bachelor of Science was conferred on:—

Wesley Converse Atkins,	George Sylvester Hull,
Ernest Hall Buell,	Arthur Buckbee Nicholls,
Clarence Emory Carter,	Roscoe Hiram Remick,
George Bliss Crafts,	Robert Waterman Rice,
Frederick North Crawford,	Leonard James Selden,
Lawrence Alexander Davis,	Frederick Elisha Shapleigh,
Robert Ephraim Finlay,	Frank Bradford Taylor,
Willard Harvey Gildersleeve,	Thomas Jarvis Taylor,
Harold Clark Grant,	William Crawford White,
Walter Raymond Hick,	Harold Burton Woodward.

The Degree of Master of Arts on examination was conferred on:—

Edward Samuel Belden, B. A., 1899. Subjects: Philosophy, English Literature. Thesis: "Varieties of the Faith Philosophy."

Edwin Anderson Field, B. A., 1907. Subjects: English Literature, English Language, Philosophy. Thesis: "The Ethical Teaching and Influence of Carlyle."

Ralph Fernald Lowe, B. A., 1894. Subject: English Literature. Thesis: "The Relation of Tennyson to Movements of Religious Thought in England (1830-1890)."

Edwin Sloan Tasker, B. A., 1890. Subjects: English Literature, Economics and Social Science. Thesis: "Wisdom and Unwisdom in the Social Teachings of John Ruskin."

The Degree of Master of Science on examination was conferred on:—

Joseph Clair Beebe, Ph. B., 1907. Subjects: Romance Languages, English Literature. Thesis: "French Romanticism: its Sources, its Features, and its Influence."

Milton Webster Davenport, B. S., 1903. Subjects: Biology, Chemistry. Thesis: "The Micro-Fauna and Flora of a Sewage Filtration Plant."

Martin John Prucha, Ph. B., 1903. Subject: Biology. Thesis: "Bacterial Flora of Cheddar Cheese."

John Christie Ware, Ph. B., 1903. Subject: Chemistry. Theses: "The Commercial Pasteurization of Milk;" "The Chemical Changes in Milk on Heating."

HONORARY DEGREES.

The Degree of Doctor of Divinity was conferred on:—

Jacob Francis Cooper, '83, Providence, R. I.

John Walter Maynard, '83, New Haven, Conn.

Jonathan Magie Meeker, ex-'73, Principal of Centenary Collegiate Institute, Hackettstown, N. J.

William Armstrong Richard, '84, New Haven, Conn.

The Degree of Doctor of Laws was conferred on:—

Glentworth Reeve Butler, Physician-in-Chief to the Methodist Episcopal Hospital, Brooklyn, N. Y.

George Silas Coleman, '76, Counsel for the Public Service Commission, First District, New York, N. Y.

Lucian Love Shedden, Regent of the University of the State of New York, Plattsburg, N. Y.

Rollin Simmons Woodruff, Governor of the State of Connecticut.



PUBLICATIONS.

ALUMNI RECORD.—Through the liberality of Orange Judd, M. A., a Biographical Record of the Alumni of the University was published in 1869. A third edition of this Record, revised and corrected, was issued in June, 1883. This edition contains not only the record of alumni, revised and corrected to the date of publication, but also a list of all former students not graduates, with their residences, and such other information with reference to them as the most thorough search could obtain. It also includes a bibliographical record, showing all the more important literary and scientific work done by alumni and members of the Faculty. Copies of this edition may be had on application to the librarian, W. J. James. The price of the Record, postage prepaid, is one dollar.

An eighth edition of the Supplement to the Alumni Record was published in December, 1907. It contains an alphabetical list of the living graduates, with their honorary and professional degrees, their occupations, their addresses, and their geographical distribution; also a list of honorary alumni, with their addresses, if living, or date of death, if deceased. This edition also contains as full information as can be obtained concerning the non-graduates.

Information in regard to changes of address of alumni or non-graduates, or in regard to any other facts suitable for future editions of the Record, is earnestly solicited. All who can furnish such information are requested to communicate with Professor F. W. Nicolson, Secretary of the Faculty.

WESLEY BICENTENNIAL.—A memorial volume was issued early in 1904 containing a full record of the celebration of the bicentennial anniversary of the birth of John Wesley by Wesleyan University at the Commencement of 1903. The book was printed by Theo. L. DeVinne & Co., of New York. It contains over 250 pages, and includes a general account of the celebration, the full text of all the addresses

delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of degrees, honorary and in course, and of nearly six hundred alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds, with two excellent portraits of John Wesley, and with portraits of the principal speakers. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.50, postage prepaid.

SEVENTY-FIFTH ANNIVERSARY.—A memorial volume, descriptive of the celebration of the seventy-fifth anniversary of the founding of Wesleyan University, held during the Commencement week of 1906, was published in June, 1907. The volume contains a full account of all the proceedings, including the text of all the addresses, a list of the alumni attending the celebration, a list of degrees conferred, etc., and is illustrated with pictures relating to the history of the University. The historical address by Professor William North Rice and the pictures of the college, old and new, are of peculiar interest to all former students. The volume is published in a form in keeping with the interesting and valuable record it contains. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.00, postage prepaid.

BULLETIN.—The *Bulletin* was first issued in 1888, and has since been published twice a year (usually in May and December), under the direction of a committee of the Faculty. It contains accounts of trustee and alumni meetings, lists of recent gifts, statements of the most urgent needs of the University, changes in the Faculty and courses of study, department notes, and various other matters of interest to the alumni and friends of the institution. It is sent to the trustees and alumni, and may be obtained by other friends of the University upon application to the Secretary of the Faculty.

PICTURE OF THE COLLEGE.—A photogravure in sepia, fifteen by twenty-eight inches, showing the college campus and most of the college and fraternity buildings, has been published by W. T. Littig & Co., of New York. The college has a number

of copies of the picture for sale to alumni and others. Price \$5.00 each. Orders should be sent to Professor F. W. Nicolson, Secretary of the Faculty.

NECROLOGY.—A list of deceased graduates of the University is published annually in the Spring *Bulletin*. All persons who can supply information for future lists are urgently requested to communicate the same to Professor F. W. Nicolson, Secretary of the Faculty.



ALUMNI ASSOCIATIONS.

GENERAL ALUMNI ASSOCIATION.

President—Hon. Forrest Edson Barker, '74, Boston, Mass.

Corresponding Secretary—William John James, '83, Middletown.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.

President—Ferris Greenslet, '97, Boston, Mass.

Secretary—Samuel Fuller Crowell, '02, 43 Federal St., Boston, Mass.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.

President—Payson Jackson Treat, '00, Cambridge, Mass.

Secretary—Clarence Lucian Newton, '02, 84 State St., Boston, Mass.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.

President—Clinton DeWitt Burdick, '86, Brooklyn, N. Y.

Secretary—Clarence Fletcher Corner, '03, 215 Montague St., Brooklyn, N. Y.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.

President—Herbert Bronson Shonk, '03, 2 Rector St., New York, N. Y.

Secretary—William Gordon Murphy, Jr., '06, 107 Rodney St., Brooklyn, N. Y.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.

President—George Luther Peck, '90, Scranton, Pa.

Secretary—Ralph W. Rymer, '00, 507 Connell Building, Scranton, Pa.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.

President—Addison Brown Poland, ex-'72, Newark, N. J.

Secretary—Harry P. Day, '03, Prudential Building, Newark, N. J.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.

President—Wilbur Fisk Hamilton, '79, Philadelphia, Pa.

Secretary—George Imlay Bodine, Jr., '06, 129 South Fourth St., Philadelphia, Pa.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.

President—Augustus Frederick Nightingale, '66, Chicago, Ill.*Secretary*—John Edwin Wing, '00, 184 La Salle St., Chicago, Ill.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.

President—Charles Melville Parker, '68, Pasadena, Cal.*Secretary*—Ernest Perley Clarke, '85, Riverside, Cal.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.

President—Frank Reid North, '97, Portland, Me.*Secretary*—Josiah Willard Taylor, '02, Turner, Me.

WESLEYAN ALUMNI ASSOCIATION OF CENTRAL NEW YORK.

President—Theodore E. Hancock, '71, Syracuse, N. Y.*Secretary*—Lester Reuben Weeks, '06, Syracuse, N. Y.

WESLEYAN ALUMNI ASSOCIATION OF WASHINGTON, D. C.

President—Martin Augustine Knapp, '68, Washington, D. C.*Secretary*—Edward William Thompson, '98, Washington, D. C.

WESLEYAN ALUMNI ASSOCIATION OF WESTERN PENNSYLVANIA.

President—Daniel Dorchester, '74, Pittsburg, Pa.*Secretary*—Henry Boardman Powell, Jr., '06, Mellen National Bank, Pittsburg, Pa.

WESLEYAN ALUMNI ASSOCIATION OF EASTERN NEW YORK.

President—Arthur Leonard Andrews, '75, Albany, N. Y.*Secretary*—Arthur Harold Burdick, '99, 16 University Place, Schenectady, N. Y.

PHILADELPHIA YOUNG ALUMNI ASSOCIATION.

President—Harry Arthur Thompson, '93, Philadelphia, Pa.

EMPLOYMENT BUREAU.

An employment bureau is maintained in the office of the Secretary of the Faculty, for the purpose of securing positions as teachers for graduates of the college, and to provide opportunities for undergraduates to earn money towards paying their college expenses, either by work in Middletown during term time, or by work in Middletown or elsewhere during the summer vacation. Those who wish to avail themselves of the opportunity thus offered are invited to register; and the alumni and friends of the college are urgently requested to inform the Secretary of any vacancy coming to their notice which might be filled by a Wesleyan student or graduate. No fees are charged.

CALENDAR.

1908.

- Oct. 1. Thursday, 9 A. M.—First term began.
Nov. 25-29. Thanksgiving recess.
Dec. 22. Tuesday—First term closed.

CHRISTMAS RECESS.

1909.

- Jan. 6. Wednesday—Second term began.
Jan. 28. Thursday—Day of prayer for colleges—a holiday.
Feb. 6-19. Mid-year examinations.
Feb. 22. Monday—Washington's Birthday—a holiday.
April 6. Tuesday—Second term will close.

SPRING RECESS.

- April 14. Wednesday—Third term will begin.
April 17. Saturday—Last day for presenting Junior Exhibition essays.
April 19. Monday—Last day for presenting Olin Prize essays.
April 19. Monday—Last day for presenting applications for preliminary and special honors.
April 19. Monday—Last day for presenting applications for special spring examinations.
April 29. Thursday—Junior Exhibition.
May 17. Monday—Last day for presenting Joseph D. Weeks Prize essays.
May 27. Thursday—Prize debate.
May 31. Monday—Memorial Day—a holiday.
May 31. Monday—Last day for presenting Harrington Prize essays.
June 11. Friday—Annual examinations will begin.
June 14-19. Examinations of College Entrance Examination Board.
June 19. Saturday—Last day for presenting special honor theses, and for special honor examinations.

1909.

- June 19. Saturday—Last day for presenting Master's theses,
and for examinations for the Master's degree.
- June 22. Tuesday—Last day for presenting Rich Prize essays.
- June 25. Friday—Prize declamation contest.
- June 27. Sunday morning—Baccalaureate sermon.
- June 27. Sunday evening—University sermon.
- June 28. Monday morning—Business meeting of the Phi Beta
Kappa Society.
- June 28. Monday morning—Announcement of award of prizes
and of preliminary honors.
- June 28. Monday afternoon—Class Day.
- June 28. Monday evening—Meeting of the Board of Trustees.
- June 29. Tuesday morning—Meeting of the Board of Trustees.
- June 29. Tuesday morning—Business meeting of the Alumni
Association.
- June 29. Tuesday afternoon—Social receptions by the college
fraternities.
- June 30. Wednesday—COMMENCEMENT.

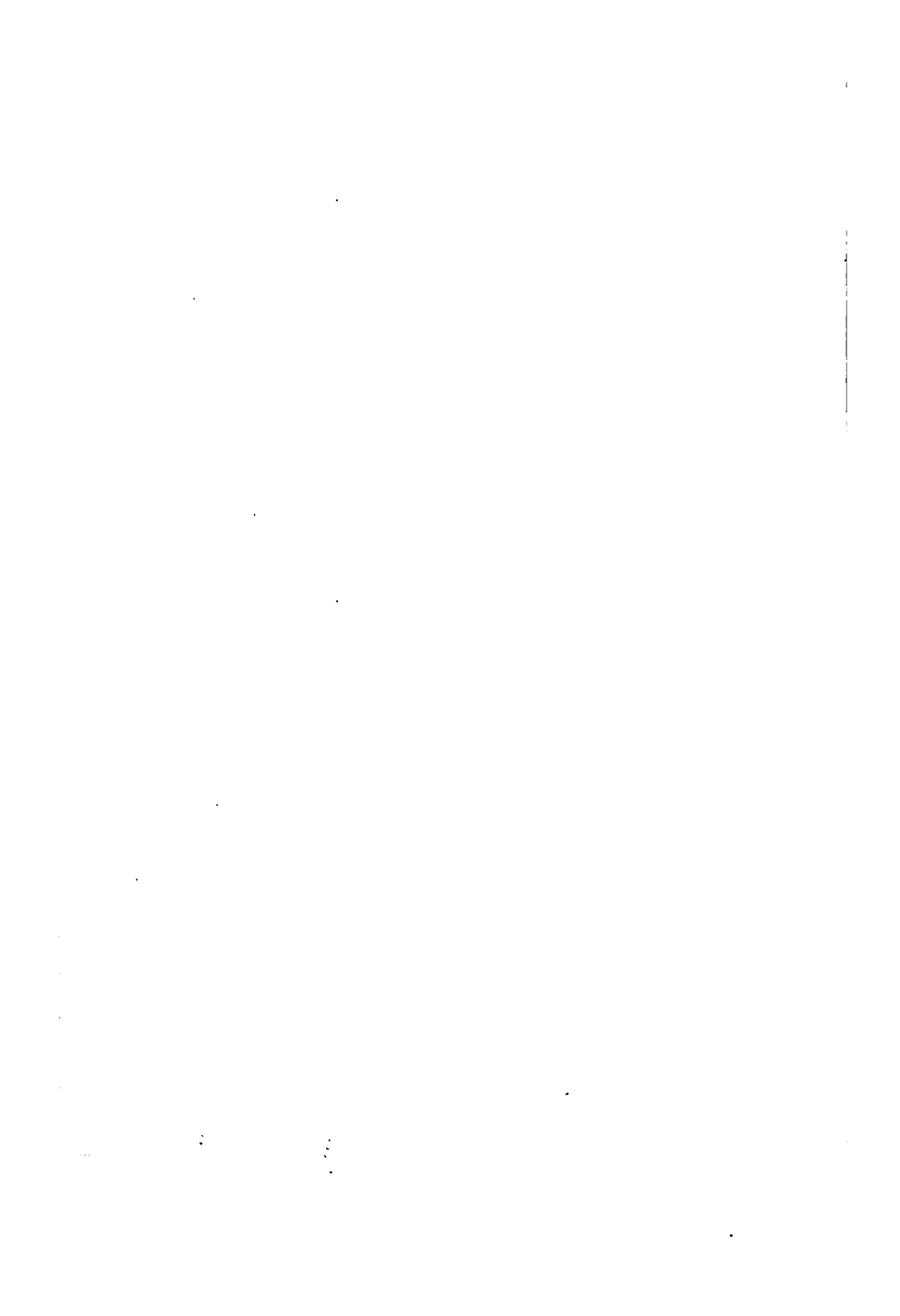
VACATION OF THIRTEEN WEEKS.

- Sept. 28. Tuesday—Special examinations for students deficient
at the annual examinations.
- Sept. 29. Wednesday—Examination of candidates for admis-
sion will begin.
- Sept. 30. Thursday, 9 A. M.—First term will begin.

INDEX.

	PAGE		PAGE
Abbreviations, - - -	- 25, 37	Diploma fees, - - -	91, 123
Absence from college, - - -	- 89, 91	Dormitory accommodations, - - -	92
from recitations, - - -	- 88	Dramatic Association, - - -	90
Admission, Terms of, - - -	27, 34	Economics, - - -	57
Alumni associations, - - -	130	Elective studies, - - -	26, 80, 82
Alumni record, - - -	127	Electricity, - - -	68, 69
Apparatus, - - -	97	Employment bureau, - - -	131
Astronomy, - - -	64, 96	English language, - - -	52
Athletics, - - -	90, 99	English literature, - - -	50
Ayres prize, - - -	109	Ethics, - - -	63
Bacteriology, - - -	77	Ethnographical collections, - - -	102, 103
Bible, English, - - -	63, 64	Evidences of Christianity, - - -	63
Biology, - - -	75, 98	Evolution, - - -	77
Board, Cost of, - - -	91, 93	Examination groups, - - -	80
Botanical collections, - - -	101, 103	Examinations, - - -	88
Botany, - - -	75	for admission, - - -	34
Buildings, New, - - -	94	Expenses, - - -	90
Bulletin, - - -	128	Faculty, - - -	10
Calendar, - - -	132	Committees of, - - -	14
Certificate, Admission by, - - -	35	Fees, Laboratory, - - -	90
Chapel, - - -	89	Diploma, - - -	91, 123
Chemistry, - - -	70, 98	French, - - -	47
Classical club, - - -	86	French club, - - -	86
Classical course, - - -	26, 27, 31, 82	Geological collections, - - -	101, 103
Coins, Collection of, - - -	102, 103	Geology, - - -	73
College Entrance Examination		German, - - -	44
Board, - - -	34	Grades, - - -	87
Commencement appointments, - - -	113	Graduate instruction, {	26, 41, 44, 47,
Committees, Faculty, - - -	14	{	50, 52, 54, 59,
Trustee, - - -	8	{	62, 69, 73, 75
Conditions, Entrance, - - -	89	Graduate students, - - -	15
Courses, General, - - -	26, 37	Greek, - - -	41
Special, - - -	26, 33	Group system, - - -	83
required, Schedule of, - - -	82-84	Gymnasium, - - -	99
Crawford memorial fund, - - -	98	Herbarium, - - -	101, 103
Cryogenic laboratory, - - -	98	History, - - -	55
Daily program, - - -	77-79	Honors, Award of, - - -	120
Debate, - - -	52	General, - - -	114, 119
Degrees, - - -	26, 121	Preliminary, - - -	37, 41, 42, 114, 119
conferred, - - -	124	Special, - - -	115
Descriptive geometry, - - -	69	Italian, - - -	49
Dining hall, - - -	93	Junior Exhibition, - - -	113

	PAGE		PAGE
Laboratories, - - -	94, 97	Quota of studies, - - -	87
Laboratory fees, - - -	90	Reading-rooms, - - -	96
Latin, - - - - -	37	Recitations, Program of, - - -	77-79
Lectures, Departmental, etc., -	85	Regents' diplomas, - - -	36
Library, - - - - -	96	Registration, - - - - -	87
Liquefaction of gases, - - -	70	Regulations, General, - - -	87
Loan fund, - - - - -	106	Religious services, - - -	89
Logic, - - - - -	60, 61	Required studies, - - -	26, 82-84
Machine shop, - - - - -	99	Rhetoric, - - - - -	52
Major studies, - - - - -	84	Romance languages, - - -	47
Mathematical models, - - -	99	Rooms, - - - - -	92
Mathematics, - - - - -	64	Scholarships, - - - - -	104
Mechanical drawing, - - -	69	Science and Religion, Relations of,	64
Middletown Scientific Association,	85	Scientific course, - - -	26, 27, 82
Mineralogical collections, -	101, 103	Seventy-fifth anniversary, -	128
Mineralogy, - - - - -	74	Social science, - - - - -	57
Museum, - - - - -	100	Sociology, - - - - -	58
Musical organizations, - - -	90	Spanish, - - - - -	49
Natural history collections, -	100	Special courses, - - - - -	26, 33
Necrology, - - - - -	129	Special honors, - - - - -	115
Observatory, - - - - -	96	Award of, - - - - -	120
Paleontology, - - - - -	74	Student organizations, - - -	90
Philosophy, - - - - -	60	Students, List of, - - - - -	15
Physical geography, - - - -	73	Studies, Selection of, - - -	82
Physics, - - - - -	67, 94, 97	Theism, - - - - -	63
Physiology, - - - - -	76	Trustees, - - - - -	3
Picture of the College, - - -	128	Committees of, - - - -	8
Political economy, - - - - -	57	Tuition, - - - - -	90
Preliminary honors, 37, 41, 42, 114,	119	Wesley bicentennial, - - -	127
Award of, - - - - -	120	Women, Admission of, - - -	36
Prizes, - - - - -	107	Expenses of, - - - - -	90, 91
Award of, - - - - -	111	Y. M. C. A., - - - - -	89
Psychology, - - - - -	60, 61, 97	Zoölogical collections, -	100, 103
Publications, - - - - -	127	Zoölogy, - - - - -	76
Public speaking, - - - - -	55		



378.73

W5

UNIV. OF MICHIGAN

FEB 3 1910

Vol. 3

JANUARY, 1910

No. 4

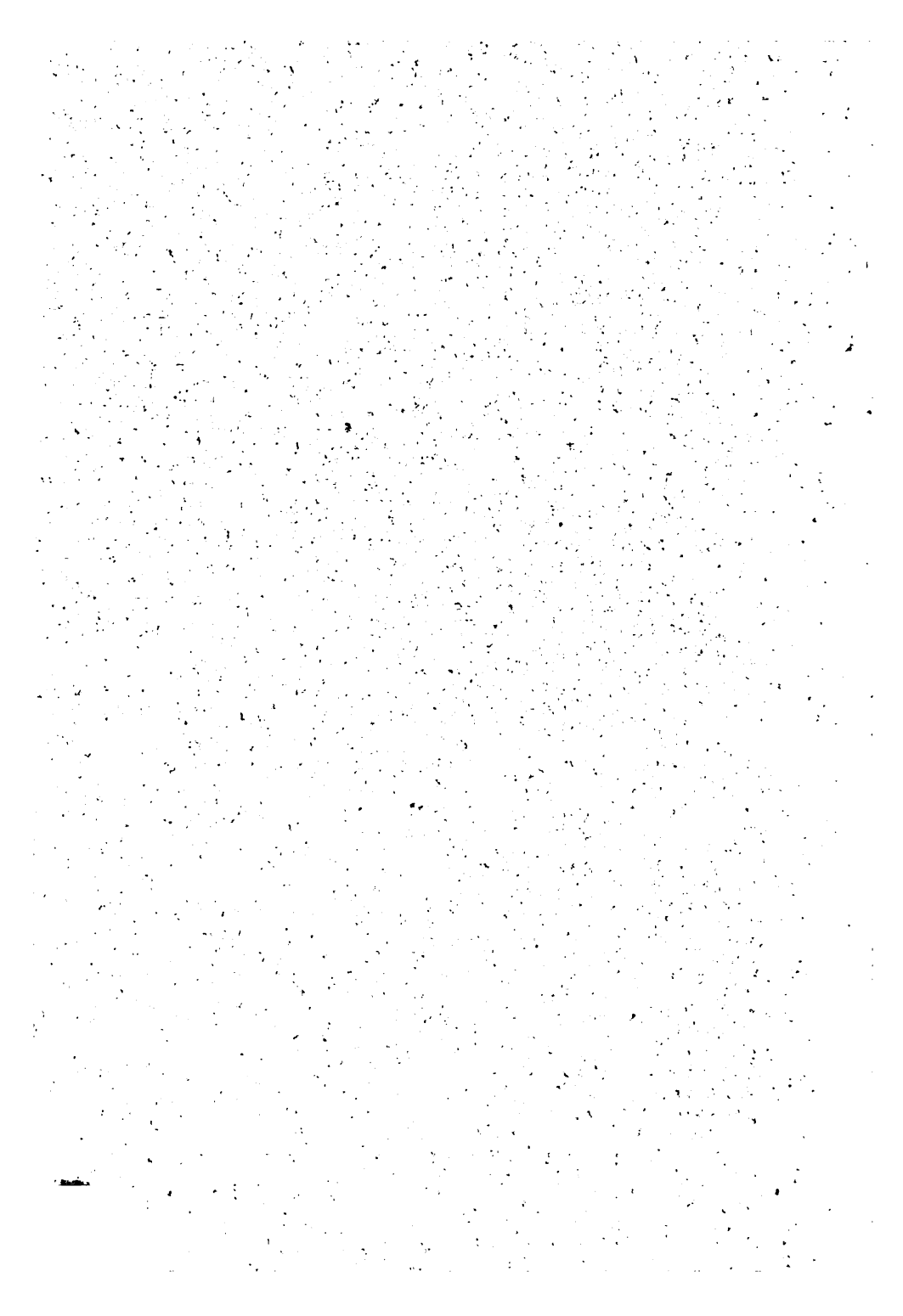
—THE—
WESLEYAN UNIVERSITY
BULLETIN

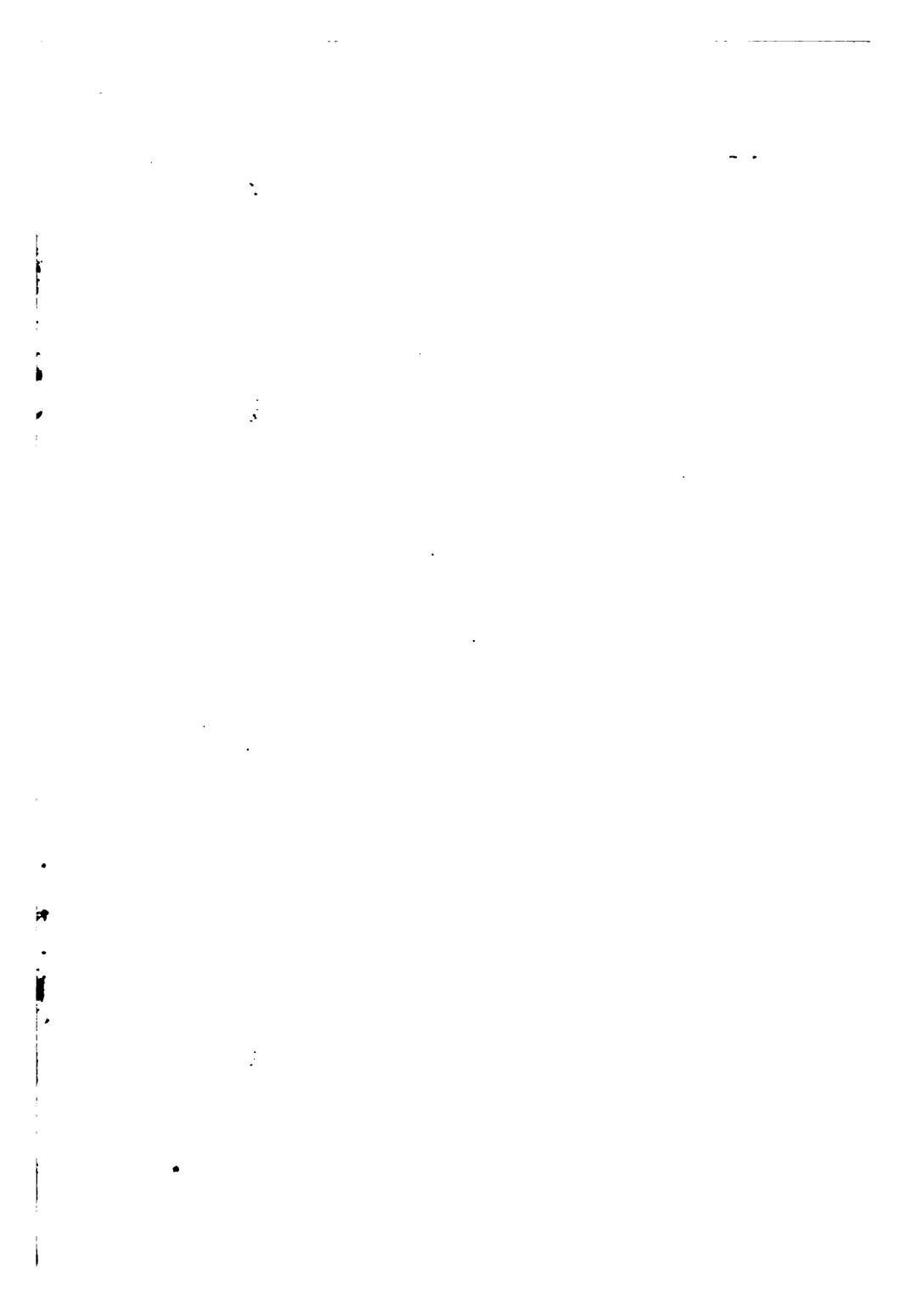


CATALOGUE NUMBER

1909-1910

—
MIDDLETOWN, CONN.:
FELTON & KING, PRINTERS AND BOOKBINDERS,
1910.







COPYRIGHT 1906, W. T. LITTIG & CO.

FROM A PHOTOGRAPH BY W. T. LITTIG & CO., NEW YORK.

WESLEYAN UNIVERSITY.

CATALOGUE

OF

WESLEYAN UNIVERSITY

1909-1910



MIDDLETOWN, CONN.
MCMX.

THE WESLEYAN UNIVERSITY BULLETIN

Published by the University four times a year in May, June, December, and January.
Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown,
Connecticut, under the Act of Congress of July 16, 1894.

BOARD OF TRUSTEES.

HENRY CRUISE MURPHY INGRAHAM, LL. D., PRES.,
16 Court St., Brooklyn, N. Y.

REV. DAVID GEORGE DOWNEY, D. D., SECRETARY,
57 Washington St., Chicago, Ill.

CLINTON DEWITT BURDICK, M. A., TREASURER,
175 Remsen St., Brooklyn, N. Y.

THE PRESIDENT OF THE UNIVERSITY,
(Member ex officio), Middletown.

TERM EXPIRES OCTOBER 1, 1910.

REV. BP. CYRUS DAVID FOSS, D. D., LL. D.,
2043 Arch St., Philadelphia, Pa.

REV. JOSEPH ELIJAH KING, PH. D., D. D.,
Fort Edward, N. Y.

REV. WILLIAM VALENTINE KELLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

HON. WATSON CARVOSSO SQUIRE, B. A.,
Seattle, Wash.

ALBERT RANDOLPH CRITTENDEN,
Middletown.

JOHN GRIBBEL,
1513 Race St., Philadelphia, Pa.

JAMES GARDNER SHEPHERD,
Scranton, Pa.

§ STEPHEN HENRY OLIN, LL. D.,
34 Nassau St., New York, N. Y.

§ CHARLES SCOTT, M. A.,
Overbrook, Pa.

† REV. ANDREW JACKSON COULTAS, JR., D. D.,
103 Oak St., Fall River, Mass.

† REV. WILLIAM JOHN CHAPMAN, M. A.,
South Glens Falls, N. Y.

TERM EXPIRES OCTOBER 1, 1911.

HON. DAVID WARD NORTHROP, M. A.,
Middletown.

CEPHAS BRAINERD ROGERS,
Meriden.

HON. JOHN EMORY ANDRUS, B. A.,
299 Broadway, New York, N. Y.

HENRY HOBART BENEDICT,
216 Bishop St., New Haven.

CHARLES GIBSON,
Albany, N. Y.

CLINTON DEWITT BURDICK, M. A.,
175 Remsen St., Brooklyn, N. Y.

REV. WILLIAM INGRAHAM HAVEN, D. D.,
Bible House, Astor Place, New York, N. Y.

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
16 Court St., Brooklyn, N. Y.

§ GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

† REV. ABRAHAM JOHN PALMER, D. D.,
Milton, N. Y.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
203 Sumner Ave., Syracuse, N. Y.

TERM EXPIRES OCTOBER 1, 1912.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

HENRY CRUISE MURPHY INGRAHAM, LL. D.,
16 Court St., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

SAMUEL WOOD BOWNE,
Pearl and Rose Sts., New York, N. Y.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, LL. D.,
Newport, R. I.

§ REV. DAVID GEORGE DOWNEY, D. D.,
57 Washington St., Chicago, Ill.

† WILLIAM PERRY BILLINGS,
98 S. River St., Wilkes-Barre, Pa.

† REV. WARREN LANNING HOAGLAND, D. D.,
629 Ridge St., Newark, N. J.

† REV. CHARLES EDWARD DAVIS, D. D.,
Wilbraham, Mass.

TERM EXPIRES OCTOBER 1, 1913.

GEORGE SLOCUM BENNETT, M. A.,
Wilkes-Barre, Pa.

CHARLES LEE ROCKWELL,
Meriden.

REV. AZEL WASHBURN HAZEN, D. D.,
Middletown.

WILLIAM EDWIN SESSIONS,
Bristol.

JOHN THOMAS PORTER,
Scranton, Pa.

WILLIAM HENRY BURROWS,
Middletown.

§ HON. MARTIN AUGUSTINE KNAPP, LL. D.,
Washington, D. C.

§ THEODORE E. HANCOCK, LL. D.,
Syracuse, N. Y.

† REV. WILLIAM MONROE NEWTON, B. A.,
30 Summer St., Woonsocket, R. I.

† REV. ALBERT PEARNE PALMER, M. A.,
Waterville, N. Y.

TERM EXPIRES OCTOBER 1, 1914.

REV. CHARLES HENRY BUCK, D. D.,
409 N. Broadway, Yonkers, N. Y.

HON. PHINEAS CHAPMAN LOUNSBURY, LL. D.,
257 Broadway, New York, N. Y.

GEORGE SILAS COLEMAN, LL. D.,
154 Nassau St., New York, N. Y.

JOHN EDGAR LEAYCRAFT,
311 West End Ave., New York, N. Y.

CYRUS DANIEL JONES,
Scranton, Pa.

§ WEBSTER ROGERS WALKLEY, D. C. L.,
27 Murray St., New York, N. Y.

§ FREDERIC WILCOX CLARKE, B. S.,
118 South St., Boston, Mass.

† REV. FRANK MASON NORTH, D. D.,
150 Fifth Ave., New York, N. Y.

† REV. DAVID HOWARD TRIBOU, D. D.,
Naval Home, Philadelphia, Pa.

† REV. HOWARD ABBOTT CLIFFORD, M. A.,
Strong, Me.

† REV. EDWIN SLOAN TASKER, B. A.,
Tilton, N. H.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the first day of October following election.

COMMITTEES OF THE BOARD OF TRUSTEES.

GENERAL EXECUTIVE COMMITTEE.

THE PRESIDENT OF THE UNIVERSITY (*Ex officio*).

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

WILLIAM HENRY BURROWS.

SAMUEL WOOD BOWNE.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.

STEPHEN HENRY OLIN, LL. D.

REV. FRANK MASON NORTH, D. D.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

LOCAL EXECUTIVE COMMITTEE.

THE PRESIDENT OF THE UNIVERSITY (*Ex officio*).

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

WILLIAM HENRY BURROWS.

FINANCE COMMITTEE.

HENRY CRUISE MURPHY INGRAHAM, LL.D.
HON. GEORGE GREENWOOD REYNOLDS, LL.D.
CHARLES LEE ROCKWELL.
CLINTON DEWITT BURDICK, M. A.
JAMES NOEL BROWN.
JOHN EDGAR LEAYCRAFT.

COMMITTEE ON THE BOARD OF INSTRUCTION.

REV. WILLIAM VALENTINE KELLEY, D. D., LL. D.
GEORGE SILAS COLEMAN, LL. D.
STEPHEN HENRY OLIN, LL. D.
REV. JAMES MONROE BUCKLEY, D. D., LL. D.
CLINTON DEWITT BURDICK, M. A.
REV. FRANK MASON NORTH, D. D.

VISITING COMMITTEE.

GEORGE SLOCUM BENNETT, M. A.
JAMES GARDNER SHEPHERD.
GEORGE DAVIS BEATTYS, M. A.

FACULTY.

WILLIAM ARNOLD SHANKLIN, L. H. D., LL. D.,
PRESIDENT.

UPON THE A. V. STOUT FOUNDATION.
(3 S. C.) 325 High St.

JOHN MONROE VAN VLECK, LL. D.,
FISK PROFESSOR OF MATHEMATICS AND ASTRONOMY, *Emeritus.*
168 Church St.

WILLIAM NORTH RICE, PH. D., LL. D.,
O. I. SENEY PROFESSOR OF GEOLOGY.
(11 J. H.) 31 College Place.

CALEB THOMAS WINCHESTER, L. H. D.,
OLIN PROFESSOR OF ENGLISH LITERATURE.
(21 F. H.) 342 High St.

BRADFORD PAUL RAYMOND, D. D., LL. D.,
WAITE PROFESSOR OF ETHICS AND BIBLICAL LITERATURE, *Emeritus.*
107 Lawn Ave.

MORRIS BARKER CRAWFORD, M. A.,
FOSS PROFESSOR OF PHYSICS.
(38 S. L.) 197 High St.

HERBERT WILLIAM CONN, PH. D.,
DANIEL AYRES PROFESSOR OF BIOLOGY.
(5 J. H.) 167 High St.

ANDREW CAMPBELL ARMSTRONG, PH. D.,
WILLIAM GRIFFIN PROFESSOR OF PHILOSOPHY.
(26 F. H.) 166 High St.

WESLEYAN UNIVERSITY.

II

WILLIAM EDWARD MEAD, PH. D.,
PROFESSOR OF THE ENGLISH LANGUAGE.
(27 F. H.) 165 Broad St.

KARL POMEROY HARRINGTON, M. A.,
ROBERT RICH PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.
(30 F. H.) 203 High St.

WILLIAM JOHN JAMES, M. A.,
LIBRARIAN.
(Library) 162 Church St.

FRANK WALTER NICOLSON, M. A.,
SECRETARY OF THE FACULTY, AND ASSOCIATE PROFESSOR OF LATIN.
(1 S. C.) 311 High St.

WALTER PARKE BRADLEY, PH. D.,
E. B. NYE PROFESSOR OF CHEMISTRY.
(2 J. H.) 256 College St.

OSCAR KUHNS, L. H. D.,
HOLLIS PROFESSOR OF ROMANCE LANGUAGES.
(38 F. H.) 158 High St.

WILLARD CLARK FISHER, B. A.,
PROFESSOR OF ECONOMICS AND SOCIAL SCIENCE.
(33 F. H.) 25 College Place.

WILLIAM ARTHUR HEIDEL, PH. D.,
JANE A. SENEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.
(35 F. H.) 41 Lawn Ave.

†RAYMOND DODGE, PH. D.,
J. W. BEACH PROFESSOR OF PSYCHOLOGY.

WALTER GUYTON CADY, PH. D.,
CHARLOTTE AUGUSTA AYRES PROFESSOR OF PHYSICS.
(14 S. L.) 77 High St.

† On leave of absence.

WESLEYAN UNIVERSITY.

ROBERT HERNDON FIFE, JR., PH. D.,

MARCUS L. TAFT PROFESSOR OF THE GERMAN LANGUAGE AND LITERATURE.

(34 F. H.) 240 College St.

GEORGE MATTHEW DUTCHER, PH. D.,

HEDDING PROFESSOR OF HISTORY.

(16 F. H.) 313 William St.

JOSEPH WILLIAM HEWITT, PH. D.,

ASSOCIATE PROFESSOR OF LATIN AND GREEK.

310 William St.

LEROY ALBERT HOWLAND, PH. D.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

51 Wyllys St.

BURTON HOWARD CAMP, M. A.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

11 Brainerd Ave.

CLARK SMITH BEARDSLEE, D. D.,

LECTURER IN ETHICS.

138 Collins St., Hartford.

ARTHUR LINCOLN GILLET, D. D.,

LECTURER IN EVIDENCES OF CHRISTIANITY.

1 Wethersfield Ave., Hartford.

HENRY BARRETT LEARNED, PH. D.,

LECTURER IN HISTORY.

305 William St.

JOHN WESLEY WETZEL, PH. B.,

INSTRUCTOR IN PUBLIC SPEAKING.

16 Dwight St., New Haven.

JOHN WILLIAM TURRENTINE, PH. D.,

INSTRUCTOR IN CHEMISTRY.

6 S. C.

RAEMER REX RENSHAW, PH. D.,
INSTRUCTOR IN CHEMISTRY.
(1 J. H.) 14 O. H.

LOUIS BLISS GILLET, B. A.,
INSTRUCTOR IN ENGLISH.
13 S. C.

DAVID DAY WHITNEY, PH. D.,
INSTRUCTOR IN BIOLOGY.
12 S. C.

GILBERT HAVEN CADY, B. A.,
INSTRUCTOR IN PHYSICAL GEOGRAPHY.
52 Pearl St., New Haven.

PAUL HOLROYD CURTS, PH. D.,
INSTRUCTOR IN GERMAN.
20 O. H.

ALEXANDER CHILSON STEVENS, M. E.,
INSTRUCTOR IN DESCRIPTIVE GEOMETRY, AND ASSISTANT IN PHYSICS.
(21 S. L.) 9 Brainerd Ave.

CHARLES EDWARD GRAVES, B. A.,
INSTRUCTOR IN ROMANCE LANGUAGES.
19 O. H.

SAMUEL WARD LOPER, M. A.,
CURATOR OF THE MUSEUM.
(13 J. H.) 287 College St.

HOWARD ROLAND REITER, M. A.,
DIRECTOR OF THE GYMNASIUM.
(Gymnasium) Home Ave.

MARGUERITE MORGAN VAN BENSCHOTEN, B. A.,
ASSISTANT LIBRARIAN.
162 Church St.

WESLEYAN UNIVERSITY.

CHARLES LEWIS BRIGHTMAN, M. A.,

ASSISTANT IN PHYSICS.

13 O. H.

OSCAR FRED HEDENBURG, B. A.,

ASSISTANT IN CHEMISTRY.

15 O. H.

HARVEY ALDEN WOOSTER, B. A.,

ASSISTANT IN PSYCHOLOGY.

6 O. H.

MARY ABBIE RICHARDSON,

ASSISTANT IN THE LIBRARY.

57 Brainerd Ave.

JULIA BRAZOS, PH. B.,

DEAN OF WOMEN.

136 High St.

COMMITTEES OF THE FACULTY.

COURSE OF STUDY.

THE PRESIDENT, PROFESSORS RICE,
WINCHESTER, CRAWFORD, ARMSTRONG, KUHN, HEIDEL.

GRADUATE STUDY.

PROFESSORS CRAWFORD, ARMSTRONG, HOWLAND.

ADMINISTRATION.

THE PRESIDENT, PROFESSOR RICE, MR. JAMES,
PROFESSORS NICOLSON, FISHER.

CONFERENCE WITH STUDENTS.

THE PRESIDENT, PROFESSORS RICE, CONN, BRADLEY,
FIFE.

CATALOGUE.

PROFESSOR NICOLSON (Editor); PROFESSORS CADY, CAMP.

BULLETIN.

PROFESSORS WINCHESTER, MEAD, DUTCHER, HEWITT.

ATHLETIC AND MUSICAL ORGANIZATIONS.

PROFESSORS NICOLSON, BRADLEY, FIFE.

PUBLIC LITERARY EXERCISES.

PROFESSORS WINCHESTER, MEAD, HARRINGTON, FISHER,
DUTCHER, MR. WETZEL.

SPECIAL HONORS.

PROFESSORS BRADLEY, HARRINGTON, FISHER, CADY.

LOANS; EVANS AND LOVELAND SCHOLARSHIPS.

THE PRESIDENT, MR. JAMES, PROFESSOR NICOLSON.

STUDENTS.

GRADUATE STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Ernest Francis Amy, B. A., ENGLISH LITERATURE, ENGLISH LANGUAGE.	<i>E. Bangor, Pa.</i>	2 O. H.
Kenneth Noël Atkins, Ph. B., CHEMISTRY.	<i>New London.</i>	16 O. H.
Walter Parks Bliss, B. A., BIOLOGY, CHEMISTRY, PHYSICS.	<i>Upper Montclair, N. J. X. & Lodge.</i>	
Carll Whitman Doxsee, B. A., ENGLISH LITERATURE, PHILOSOPHY.	<i>Bay Shore, N. Y. 161 High St.</i>	
Willis Bixler Hawk, Ph. B. (Lafayette College), ENGLISH LITERATURE.	<i>Phillipsburg, N. J. Berkeley Divinity School.</i>	
Oscar Fred Hedenburg, B. A., CHEMISTRY, MATHEMATICS.	<i>Worcester, Mass.</i>	15 O. H.
William Rulon Williamson, B. A., ENGLISH LITERATURE, ECONOMICS.	<i>Waterport, N. Y.</i>	2 O. H.
Stanley Davis Wilson, B. A., CHEMISTRY.	<i>Searsmont, Me. Foss House.</i>	
Harvey Alden Wooster, B. A., ECONOMICS.	<i>New Britain.</i>	6 O. H.

SENIOR CLASS.

NAMES.	RESIDENCES.*	ROOMS.
William Ketcham Anderson,	<i>Chattanooga, Tenn.</i>	<i>Eclectic House.</i>
Roger Whiting Bacon,	<i>Middletown.</i>	<i>Y. Y. House.</i>
† Robert Edwin Beaton,	<i>Woburn, Mass.</i>	<i>Δ. K. E. House.</i>
† Milton Lanyon Bennett,	<i>South Meriden.</i>	<i>Foss House.</i>
† Sanford Tiffany Bennett,	<i>Brooklyn, N. Y.</i>	<i>Y. Y. House.</i>
Harold Morton Bower,	<i>Milwaukee, Wis.</i>	<i>A. Δ. Φ. House.</i>
Darrell Sully Boyd,	<i>Rochester, N. Y.</i>	<i>Eclectic House.</i>
George Swift Brengle,	<i>Amenia, N. Y.</i>	<i>Eclectic House.</i>
Robert Parsons Bridge,	<i>Hazardville.</i>	<i>B. Θ. Π. House.</i>
† Harlow Butterfield Bristol,	<i>Buenos Aires, S. A.</i>	<i>A. Δ. Φ. House.</i>
Walter Henry Brown,	<i>Bridgeport.</i>	<i>Y. Y. House.</i>
John Porter Burnham,	<i>North Windham.</i>	<i>Foss House.</i>
Roy Livingston Burns,	<i>Port Chester, N. Y.</i>	<i>B. Θ. Π. House.</i>
† Louis George Connor,	<i>Washington, D. C.</i>	<i>Δ. T. Δ. House.</i>
Paul Gill Dennis,	<i>Newark, N. J.</i>	<i>Δ. K. E. House.</i>
Benjamin Minter Denniston,	<i>Ellenville, N. Y.</i>	<i>Foss House.</i>
† Earl deWitt Deremer,	<i>Hackettstown, N. J.</i>	<i>B. Θ. Π. House.</i>
Thomas Charles Flood,	<i>Portland.</i>	<i>Portland.</i>
Willis Alexander Gibbons,	<i>Freeport, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Raymond Livingston Gillispie,	<i>Brooklyn, N. Y.</i>	<i>Y. Y. House.</i>
Warren Wilmot Hamilton,	<i>Philadelphia, Pa.</i>	<i>Δ. K. E. House.</i>
Edward Raymond Hance,	<i>Wharton, N. J.</i>	<i>A. Δ. Φ. House.</i>
Edwin Thomas Harman, 2d,	<i>New Rochelle, N. Y.</i>	<i>Y. Y. House.</i>
† Julian Stevens Hayward,	<i>Middletown.</i>	<i>288 College St.</i>
Howard Levering Hill,	<i>Morristown, Tenn.</i>	<i>Eclectic House.</i>
Winfred Byron Holton, Jr.,	<i>Indianapolis, Ind.</i>	<i>Y. Y. House.</i>
William Ludlow James,	<i>Montclair, N. J.</i>	<i>Δ. T. Δ. House.</i>
Jason Shepherd Joy,	<i>Oswego, N. Y.</i>	<i>Y. Y. House.</i>
† Rodney Rathbone McCathran,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
Howard Butler Merritt,	<i>Cameron, W. Va.</i>	<i>Y. Y. House.</i>
Alfred Douglass Moore,	<i>Wellsburg, W. Va.</i>	<i>Eclectic House.</i>

NAMES.	RESIDENCES.	ROOMS.
Charles Weatherwax Nethaway,	<i>Middletown.</i>	<i>240 College St.</i>
Ernest Frederick Neumann, Jr.,	<i>New Britain.</i>	<i>Δ. T. Δ. House.</i>
† Charles Haverly Oswald,	<i>Rensselaerville, N. Y.</i>	<i>K. P. Σ. House.</i>
Harrison Edgar Persons,	<i>Maynard, Mass.</i>	<i>Foss House.</i>
Harry Hathaway Pethick,	<i>Tyler Hill, Pa.</i>	<i>X. Ψ. Lodge.</i>
† Peter August Pfeiffer,	<i>Hoboken, N. J.</i>	<i>Eclectic House.</i>
† Samuel Powell,	<i>Clearfield, Pa.</i>	<i>A. Δ. Φ. House.</i>
Paul North Rice,	<i>Newton, Mass.</i>	<i>Eclectic House.</i>
Arnold Franklin Rich,	<i>Barre, Mass.</i>	<i>X. Ψ. Lodge.</i>
Jesse David Roberts,	<i>Glens Falls, N. Y.</i>	<i>Foss House.</i>
Francis Finley Robinson,	<i>Ocean Grove, N. J.</i>	<i>Δ. T. Δ. House.</i>
Richard Homer Schmidt,	<i>Bridgeport.</i>	<i>Foss House.</i>
Carl Bierwirth Searing,	<i>Dover, N. J.</i>	<i>B. Θ. Π. House.</i>
Harold Cleaves Shaw,	<i>Strong, Me.</i>	<i>K. P. Σ. House.</i>
Frank Seymour Smith,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
Irving LeRoy Smith,	<i>East Norwalk.</i>	<i>Foss House.</i>
George Machin Stockdale,	<i>Flushing, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Clyde Bronson Stuntz,	<i>Madison, N. J.</i>	<i>Δ. T. Δ. House.</i>
† Griffin B. Townsend,	<i>Penn Yan, N. Y.</i>	<i>Δ. T. Δ. House.</i>
Arthur T. Vanderbilt,	<i>Newark, N. J.</i>	<i>Δ. K. E. House.</i>
† Henry Carlos Wilcox,	<i>Winsted.</i>	<i>Ψ. Υ. House.</i>
† Alfred Redfield Wright,	<i>Centerbrook.</i>	<i>A. Δ. Φ. House.</i>
Clara Catherine Angus,	<i>Hartford.</i>	<i>170 High St.</i>
Margaret Crawford,	<i>Middletown.</i>	<i>197 High St.</i>
Marion Wilson Greene,	<i>Bridgeport.</i>	<i>170 High St.</i>
Agnes Nora Hogan,	<i>Hartford.</i>	<i>170 High St.</i>
Annie Bacon Lewis,	<i>Middletown.</i>	<i>23 Loveland St.</i>
Esther Elizabeth Parker,	<i>Naugatuck.</i>	<i>170 High St.</i>
Ruth Almira Swan,	<i>Middletown.</i>	<i>233 Pearl St.</i>
Ruth Weeks Sykes,	<i>Whitinsville, Mass.</i>	<i>170 High St.</i>
Agnes Treadway Thompson,	<i>Middletown.</i>	<i>13 Cross St.</i>
Johanna Maria Elizabeth Zeilitz,	<i>Middletown.</i>	<i>306 William St.</i>

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
William David Anderson,	<i>Plainfield, N. J.</i>	Δ. T. Δ. House.
Francis David Andrews,	<i>Ellenville, N. Y.</i>	54 N. C.
John Wesley Edward Bowen, Jr.,	<i>Atlanta, Ga.</i>	39 N. C.
Frank Chaplain Brodhead,	<i>Philadelphia, Pa.</i>	Ψ. T. House.
Harvey Franklin Connor,	<i>Troy, N. Y.</i>	Δ. T. Δ. House.
Robert Warren Conover,	<i>Riverside, N. J.</i>	Foss House.
Wilfred Lowrey Cook,	<i>Newark, N. J.</i>	B. Θ. II. House.
† Elwood North Cornell,	<i>Brooklyn, N. Y.</i>	A. Δ. Φ. House.
† Frank Twitchell Davis,	<i>Middletown.</i>	Δ. K. E. House.
Wesley Morton Davis,	<i>Kingston, Pa.</i>	Ψ. T. House.
† Robert Garrett DeBow,	<i>Philadelphia, Pa.</i>	A. Δ. Φ. House.
Thomas John Dodd,	<i>Shelton.</i>	Foss House.
Robert Everitt,	<i>Paterson, N. J.</i>	B. Θ. II. House.
Stewart Alexander Farrell,	<i>Ocean Grove, N. J.</i>	Eclectic House.
James Franklin Findlay,	<i>Hanover, Pa.</i>	B. Θ. II. House.
Abraham Lincoln Fretz,	<i>Perkasie, Pa.</i>	A. Δ. Φ. House.
Harold Putnam Frost,	<i>Waterville, Me.</i>	Eclectic House.
Franklin Seymour Garman,	<i>Camden, N. J.</i>	Eclectic House.
Harrison Claude Hardy,	<i>New Milford, Pa.</i>	B. Θ. II. House.
Frederick Herr,	<i>Flemington, N. J.</i>	79 N. C.
Vincent Weaver Jones,	<i>Brooklyn, N. Y.</i>	Ψ. T. House.
William Crawford Judd,	<i>Bristol.</i>	Foss House.
Willard Potter Lewis,	<i>Pottsville, Pa.</i>	Foss House.
Bertram Malcolm McBride,	<i>Brownsville, Vt.</i>	B. Θ. II. House.
George Cress Mahle,	<i>Peoria, Ill.</i>	19 N. C.
† Burton Leroy Mallory,	<i>East Branch, N. Y.</i>	Δ. T. Δ. House.
† Fred Elmer Mansfield,	<i>Warren, Me.</i>	Foss House.
† Frank Raymond Marsh,	<i>Davenport, Ia.</i>	59 N. C.
Leonard Amby Maynard,	<i>Hartford, N. Y.</i>	Δ. T. Δ. House.
William Randolph Montgomery,	<i>Stamford.</i>	Ψ. T. House.
Joe Morningstar, Jr.,	<i>New York, N. Y.</i>	Δ. K. E. House.

NAMES.	RESIDENCES.	ROOMS.
Fales Newhall,	<i>Somerville, Mass.</i>	<i>Eclectic House.</i>
Constantine Marius Panunzio,	<i>Molfetta, Italy.</i>	7 S. C.
William Edwin Parker,	<i>Danvers, Mass.</i>	B. Θ. Π. <i>House.</i>
† Elwyn Clark Parlin,	<i>S. Framingham, Mass.</i>	<i>Foss House.</i>
† Perry Dennis Glenford Pennington,	<i>Baltimore, Md.</i>	39 N. C.
Thomas Cooley Phelps,	<i>S. Williamstown, Mass.</i>	50 N. C.
† Harold Van Houten Proskey,	<i>Paterson, N. J.</i>	B. Θ. Π. <i>House.</i>
Howard William Reynolds,	<i>Wassaic, N. Y.</i>	<i>Eclectic House.</i>
Wesley Everett Rich,	<i>Newton, Mass.</i>	Δ. K. E. <i>House.</i>
† Walter Edmond Robson,	<i>Hoosick Falls, N. Y.</i>	Δ. K. E. <i>House.</i>
Charles Morton Sherburne,	<i>Montpelier, Vt.</i>	Υ. Υ. <i>House.</i>
† William George Shute,	<i>Meriden.</i>	<i>Foss House.</i>
James Raymond Simmons,	<i>Hobart, N. Y.</i>	Δ. K. E. <i>House.</i>
Harry Seger Slifer,	<i>Greenfield, Ind.</i>	X. Υ. <i>Lodge.</i>
Frank Lewis Soule,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
William David Steckley,	<i>Vandorf, Ont., Can.</i>	<i>Foss House.</i>
Winfred Newton Stilwell,	<i>Wayne, Pa.</i>	A. Δ. Φ. <i>House.</i>
Harold Ackermann Storms,	<i>Dobbs Ferry, N. Y.</i>	<i>Foss House.</i>
Andrew Reed Sutherland,	<i>Rochester, N. Y.</i>	<i>Eclectic House.</i>
Ralph Schofield Thompson,	<i>Syracuse, N. Y.</i>	A. Δ. Φ. <i>House.</i>
Ralph Bresee Thorpe,	<i>Clyde, N. Y.</i>	B. Θ. Π. <i>House.</i>
† Le Roy Wood,	<i>Nutley, N. J.</i>	<i>Foss House.</i>
Alling Woodruff,	<i>New Haven.</i>	A. Δ. Φ. <i>House.</i>
† Arthur Moulton Wright,	<i>Oakfield, N. Y.</i>	<i>Eclectic House.</i>
Henry Merritt Wriston,	<i>Boston, Mass.</i>	Δ. T. Δ. <i>House.</i>
Katharine Strong Bielby,	<i>Middletown.</i>	239 <i>College St.</i>
† Margaret Anna Dutting,	<i>Middletown.</i>	8 <i>Butternut St.</i>
Mary Niell,	<i>Cromwell.</i>	286 <i>College St.</i>
Theresa Louise Say,	<i>Waterbury.</i>	217 <i>College St.</i>
Ruth Elizabeth Snow,	<i>Middletown.</i>	227 <i>Pearl St.</i>

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
Morse Shepard Allen,	<i>Brooklyn, N. Y.</i>	62 N. C.
Harold Graham Anderson,	<i>Mt. Vernon, N. Y.</i>	¶. Y. House.
† Ernest Alfred Augur,	<i>Middlefield.</i>	K. P. Σ. House.
† John Finley Bailey,	<i>Yonkers, N. Y.</i>	73 N. C.
Herbert Soley Bain,	<i>Schoharie, N. Y.</i>	41 N. C.
Harry William Bell,	<i>Glen Head, N. Y.</i>	67 N. C.
† James Gillespie Bishop,	<i>West Haven.</i>	X. ¶. Lodge.
† Paul Brady,	<i>Boston, Mass.</i>	B. Θ. Π. House.
Patrick Edward Bransfield,	<i>Portland.</i>	Portland.
George Landon Buck,	<i>New London.</i>	Δ. K. E. House.
Fred Waters Burnham,	<i>Erie, Pa.</i>	53 N. C.
Harold Payson Cobb,	<i>Searsmont, Me.</i>	80 N. C.
† Heth Griffin Coons,	<i>Stamford, N. Y.</i>	B. Θ. Π. House.
† Ralph Lockwood Crandell,	<i>Freeport, N. Y.</i>	Δ. K. E. House.
Chester Clarence Crewes,	<i>Dwight, Ill.</i>	37 N. C.
† Stanley Benjamin Crowther,	<i>Springfield, Mass.</i>	B. Θ. Π. House.
Wendell Harrison Davis,	<i>Kingston, Pa.</i>	¶. Y. House.
Raymond Haskins Drake,	<i>Tilton, N. H.</i>	Foss House.
Richard William Eaton,	<i>Westfield, Mass.</i>	Δ. K. E. House.
Dwight Ewing,	<i>Ashland, Ohio.</i>	Δ. T. Δ. House.
Edward Grove Fletcher,	<i>Providence, R. I.</i>	64 N. C.
Louis Carter Flocken,	<i>Willimantic.</i>	Foss House.
Robert Hinckley Flocken,	<i>Willimantic.</i>	Foss House.
Howard William Flye,	<i>Holbrook, Mass.</i>	Δ. K. E. House.
William Flemer Foulke,	<i>Flushing, N. Y.</i>	X. ¶. Lodge.
† Benjamin William Grant,	<i>Stoneham, Mass. 171 Mt. Vernon St.</i>	
† Charles Emerson Grim,	<i>Brooklyn, N. Y.</i>	53 N. C.
† Frank Mapes Ham,	<i>Westfield, N. J.</i>	B. Θ. Π. House.
John Wheeler Harding,	<i>Braintree, Mass.</i>	Δ. K. E. House.
† Carl Clifford Harvey,	<i>Lower Cabot, Vt.</i>	Foss House.
Anton Frederick Haus,	<i>Elizabeth, N. J.</i>	B. Θ. Π. House.

NAMES.	RESIDENCES.	ROOMS.
Dexter Wright Hewitt,	<i>New Haven.</i>	† Y. House.
† Harold Morton Hine,	<i>New Haven.</i>	† Y. House.
† Raymond Frederick Hubbard,	<i>Middletown.</i>	R. F. D. No. 1.
Henry Strobel Jacobs,	<i>Altoona, Pa.</i>	A. Δ. Φ. House.
David Dallas Jones,	<i>Greensboro, N. C.</i>	65 N. C.
Edgar Allan Jones,	<i>Wilkes-Barre, Pa.</i>	† Y. House.
Griffith Lloyd Jones,	<i>Utica, N. Y.</i>	186 High St.
Hubert Darrell Jones,	<i>West Orange, N. J.</i>	† Y. House.
Richard Pratt Jones,	<i>South Windsor.</i>	Δ. K. E. House.
† Raymond Starr Kidder,	<i>Brooklyn, N. Y.</i>	62 N. C.
† James Herman Klein,	<i>New York, N. Y.</i>	96 N. C.
† Karl Henry Ludwig Leibold,	<i>New York, N. Y.</i>	76 N. C.
Henry Virginus Leonard,	<i>New York, N. Y.</i>	88 N. C.
† Harry Fletcher Lewis,	<i>Pottsville, Pa.</i>	Foss House.
Lester Hobart Libby,	<i>Gorham, Me.</i>	7 S. C.
John Rhodes Lindemuth,	<i>York, Pa.</i>	Δ. T. Δ. House.
Thomas Ayres MacClenthen,	<i>Utica, N. Y.</i>	† Y. House.
Edward Ball Miller,	<i>Madison, N. J.</i>	Δ. T. Δ. House.
William Wesley Miller,	<i>Ransom, Pa.</i>	B. Θ. Π. House.
† Carl Howard Mitchell,	<i>Portland, Me.</i>	Chafee Hotel.
† Raymond Lee Moore,	<i>Wellsburg, W. Va.</i>	67 N. C.
† Rhys Harrower North,	<i>Montclair, N. J.</i>	67 N. C.
† Donald Ellsworth Parker,	<i>Wallingford.</i>	B. Θ. Π. House.
† Jack Cutter Parker,	<i>Danvers, Mass.</i>	89 N. C.
† Vincent Joseph Pazzetti,	<i>Wellesley Hills, Mass.</i>	61 N. C.
† Edward Henry Perkins,	<i>Tilton, N. H.</i>	Foss House.
† Lewis Buchanan Piper,	<i>Nyack, N. Y.</i>	30 N. C.
† Harry Leroy Reynolds,	<i>Stamford.</i>	X. †. Lodge.
† William Wesley Reynolds,	<i>Brookline, Mass.</i>	Eclectic House.
† John Levi Rice,	<i>New Haven.</i>	X. †. Lodge.
Franklin Robbins,	<i>Detroit, Mich.</i>	27 N. C.
† Andrew Raymond Robertson,	<i>Springfield, Mass.</i>	59 N. C.
† John Ross,	<i>Middletown.</i>	31 Oak St.
Lawrence Elwood Rothrock,	<i>Ackermanville, Pa.</i>	Eclectic House.
† Richard Wetmore Scofield,	<i>Waterbury.</i>	76 N. C.
William Warder Shepherd,	<i>Oakwood, Ky.</i>	13 Cross St.
Herbert Lincoln Simms,	<i>Braintree, Mass.</i>	Δ. K. E. House.

NAMES.	RESIDENCES.	ROOMS.
† Arthur Thompson Spencer,	<i>North Haven.</i>	<i>Δ. K. E. House.</i>
Louis Sylvester Staples,	<i>Augusta, Me.</i>	<i>80 N. C.</i>
Robert Victor Story,	<i>Taunton, Mass.</i>	<i>30 N. C.</i>
Irving Streightoff,	<i>Brooklyn, N. Y.</i>	<i>Foss House.</i>
† Clarence Allen Strout,	<i>Bangor, Me.</i>	<i>42 N. C.</i>
† Fred Wilbur Tanner,	<i>Warsaw, N. Y.</i>	<i>Foss House.</i>
Maurice Eugene Thrasher,	<i>Newton Lower Falls, Mass.</i>	<i>Δ. K. E. House.</i>
Arthur Harder Van Voris,	<i>Cobleskill, N. Y.</i>	<i>X. Y. Lodge.</i>
† Edward Couch Vollmer,	<i>Brooklyn, N. Y.</i>	<i>37 N. C.</i>
Edgar Watters Wallis,	<i>Ashley, Pa.</i>	<i>B. Θ. Π. House.</i>
Clement Baldwin Wilcox,	<i>Westfield, N. J.</i>	<i>61 N. C.</i>
Robert Williams,	<i>Sharon, Mass.</i>	<i>Foss House.</i>
Harold Clark Wilson,	<i>Freeport, N. Y.</i>	<i>89 N. C.</i>
William M. Winans, Jr.,	<i>Brooklyn, N. Y.</i>	<i>65 Pine St.</i>
Faith Bonfoey,	<i>Middletown.</i>	<i>187 Court St.</i>
Hester Wilson Reynolds,	<i>Middletown.</i>	<i>158 South Main St.</i>
Amy Sheldon,	<i>Middletown.</i>	<i>34 Fountain Ave.</i>
Helen Chandler Willis,	<i>Middletown.</i>	<i>360 Washington St.</i>

FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
† George Lewis Atkins,	<i>Asbury Park, N. J.</i>	98 N. C.
Clarence Everett Bacon,	<i>Middletown.</i>	31 N. C.
Everett Lester Ballou,	<i>East Haven.</i>	K. P. E. House.
Charles William Barrett,	<i>New Britain.</i>	1 O. H.
† Louis Dumont Beerbower,	<i>Washington, D. C.</i>	32 N. C.
† Clarence Alvin Bengtson,	<i>Middletown.</i>	210 Pearl St.
Earl Henry Bennett,	<i>Binghamton, N. Y.</i>	23 N. C.
† Miller Robert Adolph Bernhard,	<i>Rochester, N. Y.</i>	Gymnasium.
† Harold Blauvelt,	<i>New York, N. Y.</i>	92 N. C.
† George Treat Bristol,	<i>Brooklyn, N. Y.</i>	101 N. C.
Raymond Voorhees Brokaw,	<i>Plainfield, N. J.</i>	79 N. C.
Abram Breneman Bruner,	<i>Columbia, Pa.</i>	33 N. C.
Henry Mullison Bruner,	<i>Columbia, Pa.</i>	33 N. C.
† Alwyn Jeremiah Buell,	<i>Madison.</i>	11 E. H.
Paul Burt,	<i>Brooklyn, N. Y.</i>	48 N. C.
John William Busch,	<i>Newark, N. J.</i>	4 N. C.
Walter Thomas Carnall,	<i>Colorado Springs, Col.</i>	Δ. T. Δ. House.
Harold King Chadwick,	<i>Madison, N. J.</i>	13 N. C.
Albert Merwin Clark,	<i>Mt. Vernon, N. Y.</i>	48 N. C.
Eugene Shepard Clark,	<i>Brattleboro, Vt.</i>	46 N. C.
G. Ronald Clark,	<i>Scranton, Pa.</i>	69 N. C.
Densley Payne Clary,	<i>Westfield, Mass.</i>	10 O. H.
John Milton Colt,	<i>Brooklyn, N. Y.</i>	1 N. C.
† Theodore Foster Comstock,	<i>Montclair, N. J.</i>	X. Y. Lodge.
Henry Hitt Crane,	<i>Middletown.</i>	157 High St.
† George Grevatt Davidson,	<i>New York, N. Y.</i>	Δ. K. E. House.
William Francis Davis, Jr.,	<i>South Manchester.</i>	77 N. C.
† Leonel Aldric DeMore,	<i>East Berlin.</i>	East Berlin.
† Leland Austin Dexter,	<i>New York, N. Y.</i>	X. Y. Lodge.
Alan Lee Dodd,	<i>Shelton.</i>	17 O. H.
† Edgar Vincent Durling,	<i>Brooklyn, N. Y.</i>	10 N. C.

NAMES.	RESIDENCES.	ROOMS.
† Harold De Yoe Dyke,	<i>Syracuse, N. Y.</i>	35 N. C.
† John Goldsborough Easton,	<i>Mt. Vernon, N. Y.</i>	X. Y. Lodge.
Harold Underwood Faulkner,	<i>Madison, N. J.</i>	9 N. C.
Haynes Harold Fellows,	<i>Troy, N. Y.</i>	83 N. C.
Harry Clinton France,	<i>Seward, N. Y.</i>	69 N. C.
Erlund Kenneth French,	<i>Dorchester, Mass.</i>	8 N. C.
† Raymond Silas Gibbs,	<i>Belvidere, N. J.</i>	71 N. C.
Waldo Pierpont Gillies,	<i>East Norwalk.</i>	83 N. C.
† Frank Joseph Valentine Gimino,	<i>Jersey City, N. J.</i>	E. H.
† Charles Albert Goodwin,	<i>Waterville, Me.</i>	11 O. H.
Frank Thorpe Gorman,	<i>Montclair, N. J.</i>	82 N. C.
Russell Lowell Gould,	<i>Bayonne, N. J.</i>	X. Y. Lodge.
† Harold Nichols Gulick,	<i>Jamaica, N. Y.</i>	Δ. T. Δ. House.
† Walter Montefiore Haas,	<i>Cleveland, Ohio.</i>	18 N. C.
Arthur Stanley Hancock,	<i>New Britain.</i>	Δ. T. Δ. House.
† Wesley Wallace Hanford,	<i>Oneonta, N. Y.</i>	317 William St.
† Raymond Ward Hanke,	<i>Bridgeport.</i>	25 N. C.
† Alfred Perego Harris,	<i>Montclair, N. J.</i>	1 N. C.
† David Charles Barrett Harvey,	<i>Asbury Park, N. J.</i>	301 College St.
George Lansing Harvey,	<i>Washington, D. C.</i>	57 N. C.
† Fred Stillman Hastings,	<i>Troy, N. Y.</i>	95 N. C.
† Edward Payson Hayward,	<i>Middletown.</i>	288 College St.
Raymond Vincent Hayward,	<i>Auburn, Me.</i>	11 O. H.
George William Henry,	<i>Oswego, N. Y.</i>	17 E. H.
Carl Kempton Hill,	<i>Morristown, Tenn.</i>	44 N. C.
William Greene Howells,	<i>Upper Montclair, N. J.</i>	82 N. C.
Edwin Earle Hoyt,	<i>Ridgefield.</i>	48 N. C.
Frank Charles Huntington,	<i>Oneonta, N. Y.</i>	317 William St.
Walter Thomas James,	<i>Middletown.</i>	57 N. C.
Edward Henry Jones, Jr.,	<i>Newark, N. J.</i>	86 N. C.
† James Charles Kingston,	<i>Portland.</i>	Portland.
Harold Lester Knapp,	<i>Greenwich.</i>	85 N. C.
Robert Irving Laggren,	<i>Elizabeth, N. J.</i>	71 N. C.
Howard Seavoy Leach,	<i>Penobscot, Me.</i>	11 E. H.
† William Payne Lewis,	<i>Block Island, R. I.</i>	74 N. C.
† Benjamin Luntz,	<i>East Hampton.</i>	51 N. C.
Ira Raymond Lutz,	<i>Reading, Pa.</i>	11 E. H.

NAMES.	RESIDENCES.	ROOMS.
† Edward John McCaffrey,	<i>Dorchester, Mass.</i>	<i>Eclectic House.</i>
Victor Joseph McCarthy,	<i>Middletown.</i>	<i>223 College St.</i>
† Leonard Ernest McCloy,	<i>Mt. Vernon, N. Y.</i>	<i>A. Δ. Φ. House.</i>
William Dudley McLarren,	<i>Osceola Mills, Pa.</i>	<i>35 N. C.</i>
John Joseph McLaughlin,	<i>Stoneham, Mass.</i>	<i>171 Mt. Vernon St.</i>
† David Wallace MacMullen,	<i>New York, N. Y.</i>	<i>29 N. C.</i>
† Harold Bruce MacMullen,	<i>New York, N. Y.</i>	<i>29 N. C.</i>
† Kenneth Fee McNeill,	<i>Spokane, Wash.</i>	<i>36 N. C.</i>
† John Paul Maynard,	<i>New Haven.</i>	<i>44 N. C.</i>
† DeWitt Hiram Merriam,	<i>Detroit, Mich.</i>	<i>27 N. C.</i>
† Teja Schmauss Mittell,	<i>New York, N. Y.</i>	<i>X. Ψ. Lodge.</i>
Benjamin Franklin Morningstar,	<i>New York, N. Y.</i>	<i>93 N. C.</i>
† James Alexander Morton,	<i>New Haven.</i>	<i>K. P. Σ. House.</i>
Samuel Wilson Murphy,	<i>Brooklyn, N. Y.</i>	<i>86 N. C.</i>
Frederick Buckley Newell,	<i>Hartford.</i>	<i>77 N. C.</i>
† James Harold Parkinson,	<i>Jersey City, N. J.</i>	<i>12 O. H.</i>
Thorold Ward Pell,	<i>Newark, N. J.</i>	<i>56 N. C.</i>
Lloyd Merriam Perry,	<i>West Barrington, R. I.</i>	<i>1 O. H.</i>
† Carl Clough Persons,	<i>Maynard, Mass.</i>	<i>12 E. H.</i>
† Winfred King Petigrue,	<i>Oswego, N. Y.</i>	<i>3 N. C.</i>
† Raymond Thornton Potter,	<i>Ellenville, N. Y.</i>	<i>54 N. C.</i>
† Edmund Eugene Prescott,	<i>Liberty, Me.</i>	<i>17 O. H.</i>
† Joseph Charles Quirk,	<i>Great Neck, N. Y.</i>	<i>71 N. C.</i>
John Reeder Reeves,	<i>New Brunswick, N. J.</i>	<i>15 N. C.</i>
Lloyd Preston Rice,	<i>Granby.</i>	<i>13 N. C.</i>
† Harold Blake Robertson,	<i>New York, N. Y.</i>	<i>91 N. C.</i>
Joseph William Rowe,	<i>Portland, Me.</i>	<i>Δ. T. Δ. House.</i>
† William Edward Scales, Jr.,	<i>Troy, N. Y.</i>	<i>95 N. C.</i>
† Edward Frederick Schlee,	<i>Detroit, Mich.</i>	<i>12 O. H.</i>
† Richard Malcolm Sills,	<i>Mt. Vernon, N. Y.</i>	<i>X. Ψ. Lodge.</i>
Veo Fuller Small,	<i>Rumford, Me.</i>	<i>1 N. C.</i>
† Clarence Bruce Smith, Jr.,	<i>Brooklyn, N. Y.</i>	<i>15 N. C.</i>
† James Esmond Stiles,	<i>Freeport, N. Y.</i>	<i>25 N. C.</i>
† Harvey Allen Strong,	<i>Laurens, N. Y.</i>	<i>317 William St.</i>
Spencer Allen Studwell,	<i>Greenwich.</i>	<i>85 N. C.</i>
George Greely Summerson,	<i>Coventry, N. Y.</i>	<i>9 N. C.</i>
Robert Stockdale Telfer,	<i>Bloomington, Ind.</i>	<i>325 High St.</i>

NAMES.	RESIDENCES.	ROOMS.
Randall Jay Thurrell,	<i>Portland, Me.</i>	3 O. H.
Robert Leonard Tucker,	<i>Westfield, Mass.</i>	24 N. C.
Lowell Walcutt,	<i>Montclair, N. J.</i>	56 N. C.
† Charles Ferris Walden, Jr.,	<i>New York, N. Y.</i>	101 N. C.
† Ralph Foster Weld,	<i>Holly Springs, Miss.</i>	12 E. H.
† James Isaac Wendell,	<i>Newark, N. J.</i>	17 E. H.
David John White,	<i>Dorchester, Mass.</i>	301 College St.
† Earl Clayton Wilcox,	<i>Jamaica, N. Y.</i>	36 N. C.
† George Washington Winans,	<i>Brooklyn, N. Y.</i>	65 Pine St.
Harold Ewing Witman,	<i>Berwick, Pa.</i>	46 N. C.
Thomas Adamson Wood,	<i>Quincy, Ky.</i>	13 Cross St.
William Colcord Woods,	<i>Orono, Me.</i>	X. ♀. Lodge.
† Herbert Brown Wright,	<i>New York, N. Y.</i>	93 N. C.
Hiram Walter Young,	<i>York, Pa.</i>	99 N. C.

GENERAL STATEMENT.

Courses of Study.—The College presents to its undergraduates the option of two parallel courses of study, each extending through four years, one leading to the degree of Bachelor of Arts, the other to the degree of Bachelor of Science. Either Latin or Greek is required for admission to the former course. In the Freshman year English is required of students of both courses. The rest of the work is elective from a limited number of courses, with the requirement that a candidate for the B. A. degree must take a three-hour course in either Latin or Greek, and a three-hour course in one of the following: Latin, Greek, Mathematics, Modern Languages; a candidate for the B. S. degree must take the following courses in college, unless he has presented them for admission: *Either* Solid Geometry and Trigonometry *or* Trigonometry and Analytic Geometry; I. and II. French; I. and II. German. In the three remaining years, all the studies are elective, within the limits of a group system. Each student must elect a major study.

Special Courses.—Students who do not desire to complete either of the foregoing courses may receive instruction in such studies as they may select, provided they prove themselves, upon examination, qualified to pursue them with advantage. It should, however, be understood that this provision is intended for the benefit, not of those students who are incompetent to take one of the regular courses, but of those who have already obtained a preliminary education so thorough as to enable them to pursue with advantage extended courses of study in particular departments. Such special students will be expected to attend all exercises assigned them, and will be subject to all the general rules of the college.

Graduate Studies.—Extended instruction is given to those who wish to pursue graduate courses of study in any of the departments. Further information concerning such graduate courses is given in the reports of the several departments on courses of instruction, and also in connection with the statement of conditions for the degrees of Master of Arts and Master of Science.

TERMS OF ADMISSION.

REQUIREMENTS FOR ADMISSION.

Mathematics—Algebra.

Plane Geometry.

English.

History—For B. A. degree, Ancient History and Geography.

For B. S. degree, History of England and of the
United States.

From the following enough to make up eight additional points:

	Points.
Latin,—two years,—Grammar, Caesar, Elementary Com-	
position, - - - - -	2
third year,—Cicero, - - - - -	1
fourth year,—Vergil's Aeneid; Translation at Sight;	
Composition, - - - - -	1
Greek,—two years,—Grammar and Xenophon, - - -	2
third year,—Homer; Translation at Sight; Composition,	1
Elementary French (2 years), - - - - -	2
Intermediate French (1 year), - - - - -	1
Elementary German (2 years), - - - - -	2
Intermediate German (1 year), - - - - -	1
Mathematics—Solid Geometry, - - - - -	½
Trigonometry, - - - - -	½
Physics (Theoretical and Practical), - - - - -	1
Chemistry (Theoretical and Practical), - - - - -	1
Physical Geography, - - - - -	½
Botany, - - - - -	½
Ancient History and Geography, - - - - -	1
History of England and of the United States, - - -	1

Of these optional subjects, candidates for the Bachelor of Arts degree must present either four years of Latin or three years of Greek, and, unless both are offered, one elementary modern language. Candidates for the Bachelor of Science degree must offer one elementary modern language and two points in science.

REQUIREMENTS IN DETAIL.

MATHEMATICS.

1. Algebra,—Fundamental operations, factors, common divisors and multiples, fractions, negative quantities and the interpretation of negative results, powers and roots, the binomial theorem for positive integral exponents, radicals, equations of the first and second degrees with one or more unknown quantities, putting problems into equations, ratios and proportions, arithmetical and geometrical progressions.
2. Plane geometry, — Demonstrations, constructions, and solutions of numerical problems.
3. Solid geometry.
4. Plane trigonometry, with the use of logarithmic and trigonometric tables.

ENGLISH.

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with intelligence and appreciation.

I. ENGLISH GRAMMAR AND COMPOSITION.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs, and the different kinds of composition, including letter writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise narration, description, and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

II. LITERATURE.

The second object is sought by means of two lists of books, headed respectively Reading and Study, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

A. READING.—The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

Students entering in 1910 and 1911 will read:

Shakespeare's *The Merchant of Venice* and *Julius Cæsar*; the Sir Roger de Coverley Papers in *The Spectator*; Franklin's *Autobiography*; Scott's *The Lady of The Lake* and *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Dickens's *A Tale of Two Cities*.

Students entering in 1912 will read:

Shakespeare's *As You Like It* and *Julius Cæsar*; Franklin's *Autobiography*; Goldsmith's *The Deserted Village*; Dickens's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Irving's *Sketch Book*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Macaulay's *Lays of Ancient Rome*.

Students entering in 1913 and following years will make selections from the following list of works approved by the Conference on Uniform Entrance Requirements in English. Students entering in 1910, 1911, or 1912 may also, if they prefer, be examined on a selection of books from this list, but must give notice of their intention to do so by the first day of June.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from which at least ten units* are to be selected, two from each group:

1. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I., II., III., IV., V., XV., XVI., XVII.; the Iliad, with the omission, if desired, of Books XI., XIII., XIV., XV., XVII., XXI.; Virgil's *Æneid*. The Odyssey, Iliad, and *Æneid* should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

2. Shakespeare's *Merchant of Venice*; *The Midsummer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Cæsar*.

3. Defoe's *Robinson Crusoe*, Part I.; Goldsmith's *Vicar of Wakefield*; either Scott's *Ivanhoe* or Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; either Dickens's *David Copperfield*, or Dickens's *A Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

4. Bunyan's *Pilgrim's Progress*, Part I.; The Sir Roger de Coverley Papers in *The Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's *Essays on Lord Clive and Warren Hastings*; Thackeray's *English Humourists*; Selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden*, or Huxley's *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; Stevenson's *Inland Voyage and Travels with a Donkey*.

5. Palgrave's *Golden Treasury* (First Series), Books II. and III., with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village*; Coleridge's *Ancient Mariner* and

* Each "unit" is set off by semicolons.

Lowell's *The Vision of Sir Launfal*; Scott's *The Lady of the Lake*; Byron's *Childe Harold*, Canto IV., and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV., with especial attention to Wordsworth, Keats, and Shelley; Poe's *Raven*, Longfellow's *The Courtship of Miles Standish*, and Whittier's *Snow Bound*; Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

B. STUDY.—This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. For this close reading are provided a play, a group of poems, an oration, and an essay, as follows:

For students entering in 1910 and 1911:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

For students entering in 1912:

Shakespeare's *Macbeth*; Milton's *Comus*, *L'Allegro*, and *Il Penseroso*, or Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

For students entering in 1913:

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; either Burke's *Speech on Conciliation with America*, or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; either Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

EXAMINATIONS.—However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which may be taken as a preliminary, and the other as a final.

The first part of the examination will be upon the books chosen, in accordance with the plan described earlier, from the lists headed Reading; and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics which the candidate may choose out of a considerable number. These topics will involve such knowledge and appreciation of plot, character-development, and other qualities of style and treatment as may be fairly expected of boys and girls. In grammar and rhetoric, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors.

The second part of the examination will include composition and those books comprised in the list headed Study. The test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books prescribed for Study, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as need explanation for an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

HISTORY.

ANCIENT HISTORY AND GEOGRAPHY.—1. History of Rome to the death of Marcus Aurelius.

2. History of Greece to the capture of Corinth, 146 B. C.

3. Ancient geography.

The following books are recommended as the basis of instruction in ancient history and geography:—

1. Botsford's History of Rome.

2. Botsford's History of Greece.

3. Tozer's Primer of Ancient Geography.

Familiarity with map-drawing is also especially desirable.

HISTORY OF ENGLAND AND OF THE UNITED STATES.—Such a knowledge of the subject is required as may be gained from Montgomery's Leading Facts of English History, and Johnston's History of the United States for Schools or Montgomery's Student's American History. To meet this requirement at least a half-year's work of five exercises a week in each subject will be necessary. The requirement can not be satisfied by work done in the grammar school.

[NOTE.—The American Historical Association through the report of its Committee of Seven, and the New England History Teachers' Association in its Syllabus of History for Secondary Schools, have recommended the following course of study in history in all secondary schools, and the examinations in history of the College Entrance Examination Board are based upon it:

1st year, Ancient History to 814 A. D.

2nd year, Mediaeval and Modern European History since 814 A. D.

3rd year, English History.

4th year, American History and Civil Government.

In accordance with these recommendations, certificates or examinations of the College Entrance Examination Board covering the first, third, and fourth of these groups will be accepted as equivalent to the Wesleyan requirements in the respective subjects. Certificates, or examinations of the College Entrance Examination Board, covering either the first or the second group, will be accepted as a substitute for the Wesleyan requirement in English history. An examination on group two will be given in September if desired.]

LATIN.

1. Latin Grammar, including prosody.
2. Caesar,—four books of the Gallic War, or an equivalent amount of prose Latin of a similar degree of difficulty.
3. Cicero,—six orations, preferably those against Catiline, and those for Archias and for the Manilian Law.
4. Vergil,—Æneid, books I.–VI.
5. Translation at sight into English of passages of Latin, both prose and poetry, of average difficulty.
6. Translation into Latin of easy narrative passages based on the prose authors read.

With the passages set under headings 5 and 6, a vocabulary of the less common words is supplied.

To meet the full requirement in Latin, candidates must pass the following examinations of the College Entrance Examination Board: Latin *a i*, *a ii*, *b*, *c*, *dq*, *m*.

GREEK.

1. Greek grammar, including prosody. The following textbooks are recommended: Hadley-Allen's, Goodwin's, or Babbitt's.
2. Xenophon,—Anabasis, books I.–IV.
3. Homer,—Iliad, books I.–III.
4. Translation at sight of one or more passages from Xenophon.
5. Translation into Greek of easy narrative passages based on the required books of the Anabasis.

To meet the full requirement in Greek, candidates must pass the following examinations of the College Entrance Examination Board: Greek *a i*, *a ii*, *b*, *c*, *g*.

FRENCH.

ELEMENTARY (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 400 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of French, elementary grammatical questions, and the translation of simple English sentences into French. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of not less than 600 additional pages of French (including at least two works of a dramatic character), and regular practice in writing and speaking French. At least one additional year of study will be necessary to meet this requirement.

GERMAN.

ELEMENTARY (counting as two courses).—Such a knowledge of the language is required as may be obtained by the reading of at least 300 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of German, elementary grammatical questions, and the translation of simple English sentences into German. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of at least 300 additional pages of German (not more than half of which should be fiction), and regular practice in writing and speaking German. At least one additional year of study will be necessary to meet this requirement.

PHYSICS.

(1) Such a knowledge of the subject is required as may be obtained, for example, from Carhart and Chute's High School Physics, Avery's School Physics, Wentworth and Hill's Text-book of Physics, or Hoadley's Brief Course in Physics.

(2) The candidate must also have performed a series of at least thirty experiments selected as representative of the different departments of physics, and *involving careful measurements*, in addition to any qualitative or very simple quantitative experiments he may have performed, and must present his original note-book, containing full records of the experiments, and certified to by his instructor.

To meet this requirement a full year's work of five exercises a week will in general be necessary.

CHEMISTRY.

(1) Such a knowledge of the subject is required as may be gained from Storer and Lindsay's Manual of Chemistry (omitting pp. 230-286), Remsen's Chemistry (Elementary Course), or Newell's Descriptive Chemistry.

(2) The candidate must also have performed a series of at least fifty experiments, and must present his original note-book, containing records of the processes and results of the experiments, and certified to by his instructor.

To meet this requirement a full year's work of five exercises a week will in general be necessary.

PHYSICAL GEOGRAPHY AND BOTANY.

(1) In physical geography, such a knowledge of the subject is required as may be gained from the study of the text-book of any one of the following authors: Salisbury, Tarr, Davis, Gilbert and Brigham, Hinman, Dryer, Hopkins, and Geikie. Certificates in physical geography will not be accepted without examination unless one of the text-books above mentioned has been used, nor unless the time devoted to the study has been at least the equivalent of four exercises a week for a half-year.

(2) In botany, the candidate must show such a knowledge of the subject as may be gained from either (1) the study of morphological and structural botany, as included in the recent elementary botanical text-books of Spaulding or Bergen; or (2) the study of Gray's *Lessons in Botany*, accompanied by analysis and description of flowers.

SPECIAL COURSES.

Special students, not candidates for a degree, may be admitted, upon passing such examinations as the Faculty shall in each case prescribe. (See also page 29.)

GENERAL REGULATIONS CONCERNING ADMISSION.

ADVANCED STANDING.—All candidates for advanced standing must satisfy the Faculty of their proficiency in the preparatory studies, the required studies already pursued by the classes they

propose to enter, and the proper quota of elective studies, or studies recognized as equivalents therefor. A certificate of standing in another college is not accepted as evidence of such proficiency, without such further inquiry or examination as may be necessary in the judgment of the respective instructors.

PRELIMINARY EXAMINATIONS.—Preliminary examinations in any of the requirements for admission may be taken a year or more before entering college, and a candidate will receive credit for any subjects thus passed in advance.

DATE AND PLACE OF EXAMINATIONS.—Examinations for admission are held twice each year, in June and in September.

In June the entrance examinations of the college are those of the College Entrance Examination Board, of which Wesleyan University is a member. An application for the privilege of taking these examinations must be made to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., from whom all necessary information regarding the June examinations can be obtained. These examinations will be held June 20-25, 1910, at a large number of widely distributed points, including Middletown.

Applications for examination at points in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be received by the Board on or before Monday, June 6, 1910; applications for examination elsewhere in the United States or in Canada must be received on or before Monday, May 30, 1910; and applications for examination at points outside of the United States and Canada must be received on or before Monday, May 16, 1910. In order to facilitate the making of arrangements for the proper conduct of the examinations, it is desired that all applications be filed as early as possible.

Each application filed in accordance with the foregoing requirements must be accompanied by the examination fee, which is \$5.00 for candidates examined at points in the United States and Canada, and \$15.00 for candidates examined at points outside the United States and Canada. This fee should be remitted by postal order, express order, or draft on New York, payable to the College Entrance Examination Board.

Applications received later than the dates named above will be accepted when it is practicable to arrange for the examination of the candidates concerned, but only upon the payment of \$5.00 in addition to the regular fee. The blank forms necessary for making this application may be obtained only from the Secretary of the College Entrance Examination Board.

The fees of candidates for examination in June, 1910, whose applications have been accepted by the Secretary, can under no circumstances be returned unless the request for their return is received on or before Monday, June 13, 1910.

A candidate for examination in two or more years will be required to pay the examination fee in each year.

The examinations in September will be conducted by the college, and no fees will be charged. They will be held only in Middletown. The date of the examination in 1910 will be September 21-22.

ADMISSION BY CERTIFICATE.—Certificates covering the foregoing requirements for admission to college are received from certain schools of good standing, which have been approved by the Faculty. The privilege of certification is not given to schools which require less than four years of Latin and three years of Greek in their college preparatory course. In most cases a certificate will not be received unless it covers decidedly the major part of the requirements for admission.

No certificate will be received hereafter from any school in New England which has not been approved by the New England College Entrance Certificate Board, of which this college is a member. The Secretary of the Board is Prof. N. F. Davis, of Brown University, Providence, R. I., to whom applications from New England Schools for the certificate privilege should be addressed. Such applications must reach the Secretary not later than April first, if approval is desired for the next academic year.

Certificates of the College Entrance Examination Board will be received in lieu of examination in the subjects which they cover.

Diplomas issued by the Regents of the University of the State of New York, and pass cards supplementary to such diplomas, will be received in lieu of examination in the subjects

which they cover. Regents' certificates will also be received, provided they cover decidedly the major part of the requirements for admission.

Certificates from preparatory schools and Regents' diplomas are never accepted in lieu of examination for advanced standing.

Students entering by certificate are considered as on trial until the completion of the mid-year examinations. A student admitted to college on certificate, who is dismissed during his Freshman year on account of inability to keep up with his class, must take examinations in all subjects required for admission, in case he desires to return to college.

Detailed information concerning admission by certificate may be obtained on application to the Secretary of the Faculty.

ADMISSION OF WOMEN.—Women were first admitted to the University in 1872. The Trustees voted, February 26, 1909, that no women should be admitted in any class later than that entering in 1909. Women may be admitted, however, as graduate students. The Trustees have adopted a resolution favoring the establishment of a coördinate college for women as soon as the necessary funds can be secured.

Satisfactory evidence of good moral character will be required in the case of all candidates for admission; and certificates of honorable dismissal will be required from those who have been members of other colleges.

COURSES OF INSTRUCTION.

For regulations concerning selection of studies, see page 91.

Bracketed courses are not given this year, but will, in most cases, be given next year.

The figures ¹ and ² following the number of a course indicate respectively that the course is offered for the first or the second half-year.

The Roman numerals in parentheses following each course indicate the examination group to which it is assigned. For table of groups, see pages 89 and 90.

The place of meeting of each course is indicated by means of the following abbreviations: F. H.=Fisk Hall; J. H.=Judd Hall; O. H.=Observatory Hall; S. L.=Scott Laboratory of Physics; CHEM. LAB., BIOL. LAB.=Chemical, Biological Laboratory.

An asterisk prefixed to the number of a course indicates that it can be elected only with the previous approval of the instructor; such approval must be *in writing* and must be handed in by the student *along with his list of electives*.

LATIN.

PROFESSOR HARRINGTON; ASSOCIATE PROFESSORS NICOLSON
AND HEWITT.

Of the following courses in Latin, Courses I. and I.A are given every year, the remaining courses in alternate years only, the bracketed courses being omitted in 1909-10, but to be given in 1910-11 in place of the unbracketed courses. Either Course I. in Latin or Course I. in Greek is required of all candidates for the degree of B. A. Course I.A should be elected in Freshman year by all students intending to pursue any further study of the classics. Courses II.-VI. are elective for those who have taken Course I. Courses I., I.A, two of Courses II.-V., and any one of Courses VI., XVI., and XVII. are required of candidates for preliminary honors in classics. Courses VII.-XXI. are intended primarily for those who have taken at least Course I. and two of Courses II.-V. But Courses XVI. and XX. may by special permission of the instructor be elected by those who have taken only Course I.; and students of marked ability in the reading of Latin, who are taking one of Courses II.-V., may be admitted to certain of the other courses at the same time by special permission of the instructor, to whom application should in each case be made.

I. LIVY,—Selections (*first half-year*). TERENCE,—Phormio; PLAUTUS,—Menaechmi (*second half-year*). Exercises in sight translation throughout the year. SECTION 1, *Mon., Wed., Fri., at 9*; SECTION 2, *Tu., Th., Sat., at 9*; SECTION 3, *Tu., Th., Sat., at 11*. 31 F. H. PROFESSORS NICOLSON and HEWITT. (II.)

I.A. SUPPLEMENTARY COURSE. Training in rapid reading; practice in Latin composition. Occasional lectures throughout the year by the instructors in Latin, giving a preliminary survey of the various departments of classical study. *Wed., at 11.* 31 F. H. PROFESSOR NICOLSON. (IV.)

II.¹ CICERO,—Selected letters, to give a more intimate acquaintance with the history of Rome during the last two decades of the republic, and to compare colloquial with formal Latin. *Tu., Th., at 12 (first half-year).* 31 F. H. PROFESSOR HARRINGTON. (XI.)

III.² HORACE,—Odes and Epodes, to illustrate the lyric art of the Augustan age. *Tu., Th., at 12 (second half-year).* 31 F. H. PROFESSOR HARRINGTON. (XI.)

[IV.¹ HORACE,—Satires and Epistles, to illustrate the social and literary standards of Rome at the beginning of the empire. *Twice a week (first half-year).* PROFESSOR HARRINGTON.]

[V.² PLINY THE YOUNGER,—Selected letters, to illustrate especially the state of Roman society at the close of the first century after Christ. *Twice a week (second half-year).* PROFESSOR HARRINGTON.]

VI.¹ LATIN PROSE COMPOSITION. In this course the elementary principles of Latin style are studied in connection with a thorough review of Latin grammar, and considerable amounts of English prose (dealing with subjects both ancient and modern) are translated into Latin. *Mon., Fri., at 3 (first half-year).* 31 F. H. PROFESSOR HEWITT. (VI.)

[VII. RAPID READING. The aim in this course is to read large amounts of comparatively easy Latin, with a view to acquiring facility in the use of the language. The selections for the first half-year are from poetry (Vergil, Plautus, Terence); in the second half-year from prose (Caesar, Suetonius, Gellius). *Twice a week.* PROFESSOR NICOLSON.]

[VIII. ROMAN LITERATURE. A historical and critical survey of Roman literature given by means of lectures, a text-book dealing with the general subject, illustrative class-room readings in Latin and in English translations, and a choice of several

collateral reading courses covering different periods. This course is designed primarily for students who desire a wider general acquaintance with the literature of the Romans and its relation to other literatures, without special emphasis upon its distinctly philological features. *Twice (counting as three times) a week.* PROFESSOR HARRINGTON.]

IX. ROMAN ELEGIAC POETRY. The origin and development of the elegiac form. Selections from Catullus, Tibullus, Propertius, and Ovid. Practice in original research. Seminar methods are employed. *Mon., Wed., at 12.* 32 F. H. PROFESSOR HARRINGTON. (V.)

X.¹ OVID,—the Fasti, with special attention to questions of Roman history and ritual. *Mon., Fri., at 10 (first half-year).* 13 F. H. PROFESSOR NICOLSON. (III.)

XI.¹ ROMAN SATIRE. From its beginnings through the Golden Age. Selections from Ennius, Lucilius, Varro, Horace, and Persius. *Tu., Th., at 9 (first half-year).* 32 F. H. PROFESSOR HARRINGTON. (VIII.)

XII.² ROMAN SATIRE. A continuation of Course XI. Selections from Juvenal, Petronius, and Apuleius; the Apocolocyntosis of Seneca; lectures on the earliest forms of the novel. *Mon., Fri., at 10 (second half-year).* 13 F. H. PROFESSOR NICOLSON. (III.)

[XIII. ROMAN PHILOSOPHY. Lucretius (selections); Cicero (selections from the *Academica*, *De Officiis*, *Tusculanae Disputationes*, *De Finibus*, *De Natura Deorum*); Seneca (selected essays and epistles); lectures on the development of Roman philosophy. *Three times a week.* PROFESSOR HARRINGTON.]

XIV.² TACITUS. Selections from the *Annals* I.–VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Mon., Fri., at 3 (second half-year).* 31 F. H. PROFESSOR HEWITT. (VI.)

XV.¹ CATULLUS. The beginnings of lyric poetry among the Romans, with a brief study of its later development and of lyric forms in post-classical and mediaeval Latin. *Tu., Th., at 8 (first half-year).* 31 F. H. PROFESSOR HARRINGTON. (VII.)

[XVI.¹ ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Three times a week (first half-year)*. PROFESSOR HARRINGTON.]

[XVII.² HISTORICAL LATIN GRAMMAR. Lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Three times a week (second half-year)*. PROFESSOR HARRINGTON.]

XVIII.¹ LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Tu., Th., at 3 (first half-year)*. 32 F. H. PROFESSOR HARRINGTON. (XII.)

XIX.² ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Tu., Th., at 3 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (XII.)

XX.² ROMAN POLITICAL INSTITUTIONS AND LAW. An introductory course, based partly on original, and partly on modern authorities, given by lectures and the use of text-books. *Twice a week (second half-year), the hours to be determined.* PROFESSOR HARRINGTON.

XXI.² LATIN LITERATURE SINCE THE ROMAN EMPIRE. Lectures introductory to the literature written in the universal language of the ecclesiastical and learned European world from the fifth century to the seventeenth century. Illustrative readings from some of the most interesting types of prose and poetry, including the novel, the drama, the dialogue, the lyric, the writings of the Church Fathers. *Wed., Fri., at 8 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (I.)

[GREEK AND ROMAN MYTHOLOGY. For description, see Course X. in Greek.]

For the most successful prosecution of even the earlier courses in Latin, ability to read German prose on philological subjects is decidedly advantageous, and for the most advanced courses it is generally necessary. Students, therefore, who look forward to the study of Latin beyond the more elementary courses, and who have on admission to college no acquaintance with German, should devote special attention to that subject in the Freshman year.

GRADUATE INSTRUCTION.

Courses XVII., XVIII., XIX., and XXI., while open to undergraduates, may appropriately be taken as graduate work. Other graduate courses are arranged according to the tastes or attainments of individual students.

GREEK.

PROFESSOR HEIDEL; ASSOCIATE PROFESSOR HEWITT.

I. LYSIAS,—Select Orations; PLATO,—Euthyphro, Apology, and Crito; XENOPHON,—Memorabilia. *Mon., Wed., Fri., at 10.* 37 F. H. PROFESSOR HEIDEL. (III.)

Course I. in Greek, or Course I. in Latin, is required of candidates for the B. A. degree.

I.A. HOMER,—Odyssey. The entire poem is studied, a portion of it in translation. The aim of the course is to develop in the student the ability to read rapidly and at sight. It should be elected by those who intend to continue the study of Greek. *Mon., at 8.* 37 F. H. PROFESSOR HEWITT. (I.)

Courses I. and I.A are required of candidates for preliminary honors in classics.

II. THUCYDIDES,—Books VI. and VII. (*first half-year*). HERODOTUS,—Selections (*second half-year*). *Tu., Th., at 11.* 37 F. H. PROFESSOR HEIDEL. (X.)

Course II. is elective for those who have taken Course I. It is required of candidates for preliminary honors in classics.

[III. GREEK PROSE COMPOSITION. *Once a week.* PROFESSOR HEIDEL.]

Course III. is elective for those who have taken, or are taking, Course II. Either Course III. or Course IV. is required of candidates for preliminary honors in classics. Course III. is omitted the present year.

IV. HISTORY OF GREEK LITERATURE. Lectures and collateral reading. *Fri., at 11.* 37 F. H. PROFESSOR HEIDEL. (IV.)

Course IV. is elective for those who take Course II., or for Juniors. Either Course III. or Course IV. is required of candidates for preliminary honors in classics. Courses III. and IV. are given in alternate years.

[V.¹ PLATO,—Gorgias; DEMOSTHENES,—The Oration on the Crown. Collateral study of Greek rhetoric and oratory. *Three times a week (first half-year).* PROFESSOR HEWITT.]

[VI.² THE GREEK LYRIC POETS,—including selections from Pindar and Bacchylides. *Three times a week (second half-year).* PROFESSOR HEWITT.]

Courses V. and VI. are elective for those who have taken Course II. They are omitted the present year.

VII. ARSCHYLUS,—Prometheus Bound. SOPHOCLES,—Oedipus the King, and Antigone. Lectures and collateral reading on the Greek theatre (*first half-year*). EURIPIDES,—Iphigenia among the Taurians, and Cyclops. ARISTOPHANES,—Frogs. Collateral reading on the Greek drama (*second half-year*). *Tu., Th., Sat.; at 10.* 37 F. H. PROFESSOR HEWITT. (IX.)

Course VII. is elective for those who have taken Course II.

VIII.¹ NEW TESTAMENT IN GREEK. *Mon., Fri., at 2 (first half-year).* 37 F. H. PROFESSOR HEIDEL.

Course VIII. is elective for those who have taken, or are taking, Course II.

[IX.² THEOCRITUS AND LUCIAN. *Twice a week (second half-year).* PROFESSOR HEWITT.]

Course IX. is elective for those who have taken Course II. It is omitted the present year.

[X.¹ GREEK AND ROMAN MYTHOLOGY. The subject is discussed from the anthropological rather than the literary point of view, and the course is designed to serve as an introduction to the study of religion. It consists of recitations, lectures, and frequent reports on reading. Knowledge of Latin and Greek is not required, but the ability to read German is very desirable. *Twice a week (first half-year)*. PROFESSOR HEWITT.]

Course X. is elective for Juniors. It is omitted the present year.

[XI. GREEK CIVILIZATION. Lectures and collateral reading on the art, the religion, and the scientific thought of ancient Greece in relation to modern civilization. Knowledge of Greek is not required. *Twice a week*. PROFESSOR HEIDEL.]

Course XI. is elective for Juniors. It is omitted the present year.

XII.¹ GREEK LIFE. Lectures, collateral reading, and reports, on Greek private life. Knowledge of Greek is not required. *Tu., Th., at 2 (first half-year)*. 37 F. H. PROFESSOR HEIDEL.

Course XII. is elective for Juniors.

[XIII. PLATO,—Republic. *Twice a week*. PROFESSOR HEIDEL.]

Course XIII. is elective for those who have taken Courses V. and VI., or Course VII. It is omitted the present year.

XIV. GREEK LITERARY CRITICISM. Aristotle's Poetics, the treatise On the Sublime, and selections from Dionysius of Halicarnassus. *Tu., Th., at 9 (first half-year)*. 37 F. H. PROFESSOR HEIDEL. (VIII.)

Course XIV. is elective for those who have taken Courses V and VI., or Course VII.

GRADUATE INSTRUCTION.

Courses X., XI., XII., XIII., and XIV. are intended for advanced undergraduates or graduates. In certain cases, when counted as graduate courses, additional requirements may be made.

HEBREW.†

ELEMENTARY COURSE. Davidson's Grammar. The verbal and nominal forms and the elements of syntax are thoroughly mastered. Careful attention is given to the acquisition of a practical, working vocabulary. Short sentences in Hebrew are read with every lesson, accompanied by exercises in Hebrew composition (*first half-year*). Kittel's Hebrew Bible. The Brown, Driver, and Briggs Hebrew Lexicon. Selections from Genesis. The Book of Ruth. Sight reading (*second half-year*). *Mon., Tu., Th., Fri., at 12.* Berkeley Divinity School. MR. VANDERBOGART.

GERMAN.

PROFESSOR FIFE; DR. CURTS.

I. ELEMENTARY GERMAN. Vos's Essentials of German; Huss's German Reader; Heyse, — *Das Mädchen von Treppi*; Wilbrandt, — *Jugendliebe*; Seidel, — *Aus goldenen Tagen*; Wildenbruch, — *Neid*. Exercises in conversation and composition, based on the texts read and on an elementary manual. SECTION 1, *Mon., Wed., Fri., at 11*; SECTION 2, *Tu., Th., Sat., at 11.* 15 F. H. DR. CURTS. (X.)

Candidates for the degree of B. S. are required to complete the equivalent of I. and II. German, as well as I. and II. French. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. INTERMEDIATE GERMAN. Heine, — *Die Harzreise*; Schiller, — *Die Jungfrau von Orleans*, *Wilhelm Tell*; E. T. A. Hoffmann, — *Meister Martin der Kufner*; Goethe, — *Hermann und Dorothea*; K. F. Meyer, — *Das Amulett*. A part of this reading is done at sight. One hour a week throughout the year is devoted to a review of elementary grammar, with paraphrases and prose composition. A considerable part of the class exercises are conducted in German. Text-books, —

† Students may receive credit for work in this department pursued at the Berkeley Divinity School.

Thomas's Practical German Grammar; Pope's German Composition. SECTION 1 (Sophomores), *Tu., Th., Sat., at 8*. PROFESSOR FIFE. SECTION 2 (Freshmen), *Mon., Wed., Fri., at 12*. DR. CURTS. 15 F. H. (VII.)

Course II. is elective for those who have taken Course I.

* III. GERMAN CONVERSATION AND GERMAN DAILY LIFE. The aim of this course is to train the student in familiar and colloquial German in speech and writing. Practice in conversation and composition based on Thiergen's *Am deutschen Herde*, followed by R. Kron's *German Daily Life*. Lectures and pictures illustrating German life and institutions. All class exercises are conducted in German. *Tu., Th., at 12*. 39 F. H. PROFESSOR FIFE. (XI.)

Course III. is elective, with the permission of the instructor, for those who have taken Courses I. and II.

IV. THE CLASSICAL PERIOD. Lessing, Goethe, and Schiller are taken up in the order named, and a brief study is made of the life of each, based on lectures, accompanied by parallel readings from their works. Regular written themes form a part of the course. During the current year the following are read in class: Lessing,—*Emilia Galotti*; Goethe,—*Egmont*, *Faust I.*, *Lyrics* (Goebel's edition); Schiller,—*Wallenstein* (all parts). *Mon., Wed., Fri., at 9*. 39 F. H. PROFESSOR FIFE. (II.)

Course IV. is elective for those who have taken Courses I. and II.

[V.¹ NINETEENTH CENTURY DRAMA. Rapid readings from dramatic masterpieces by Kleist, Grillparzer, Hebbel, and Hauptmann, with lectures on the development of the German drama in the nineteenth century, and written themes. *Three times a week (first half-year)*. DR. CURTS.]

VI.¹ THE GERMAN NOVELLE. The development of this peculiarly German form of narrative literature is traced from the Romantic period through the nineteenth century. Rapid readings from E. T. A. Hoffmann, Tieck, Eichendorff, Mörike, Keller, Storm, Heyse, K. F. Meyer, and Rosegger. A part of this reading is done outside of class and is made the subject

of written themes. The first work read is E. T. A. Hoffmann, —Das Fräulein von Scudéry. *Tu., Th., Fri., at 3 (first half-year).* 39 F. H. DR. CURTS. (XII.)

[VII.² HEINRICH HEINE. A study of the poet's life and works, with rapid readings from his lyrics and prose. A part of this reading is done as collateral, with written themes. *Three times a week (second half-year).* DR. CURTS.]

VIII.² HISTORICAL AND CRITICAL PROSE. Rapid readings in contemporary German historians and essayists. The course is designed as a further introduction to German culture, as well as an aid to those who desire greater proficiency in reading contemporary German prose. *Tu., Th., Fri., at 3 (second half-year).* 39 F. H. DR. CURTS. (XII.)

Courses V., VI., VII., and VIII., each of which is given in alternate years only, are elective for those who have taken Courses I. and II. Courses V. and VII. are omitted the present year.

[* IX.¹ GERMAN PROSE COMPOSITION AND ADVANCED GRAMMAR. This course begins with an intensive review of the elementary phonology and forms of the language, followed by a study of German syntax, and an introduction to historical grammar. Regular class exercises in German prose composition, supplemented by original themes. This course is intended especially for those preparing to teach German. *Twice a week (first half-year).* PROFESSOR FIFE.]

Course IX. is elective, with the permission of the instructor, for those who have taken Courses I.-III. It is omitted the present year.

X.² HISTORY OF GERMAN LITERATURE, I. From the earliest beginnings to the end of the sixteenth century. A course of lectures, supplemented by parallel readings from an anthology and by themes. All lectures and class exercises are conducted in German. *Tu., Th., Sat., at 9 (second half-year).* 39 F. H. PROFESSOR FIFE. (VIII.)

[XI.² HISTORY OF GERMAN LITERATURE, II. From the beginning of the seventeenth century to the present time. A course of lectures, supplemented by parallel readings and by

themes. All class exercises are conducted in German. *Three times a week (second half-year).* PROFESSOR FIFE.]

Courses X. and XI., which are given in alternate years, are elective for those who have taken Courses I. and II., and who have taken, or are taking, Course III. Course XI. is omitted the present year.

XII.¹ MIDDLE HIGH GERMAN. The course is a brief introduction to the early classical period, and is literary rather than linguistic in its aims. Wright's Middle High German Primer. Readings from Hartmann von Aue's *Der arme Heinrich*, the *Nibelungenlied* (Bartsch's edition), and Walther von der Vogelweide (Bartsch's edition). *Tu., Th., at 9 (first half-year).* 36 F. H. PROFESSOR FIFE. (VIII.)

Course XII. is elective for those who have taken Courses I.-III.

GRADUATE INSTRUCTION.

Courses IX.-XII. are intended as an introduction to graduate work, and may, with additional requirements, be taken as graduate courses. Further graduate instruction may be arranged for through private conference.

ROMANCE LANGUAGES.

PROFESSOR KUHN; MR. GRAVES.

I. ELEMENTARY FRENCH. Fraser and Squair's French Grammar, Part I. Kuhns's French Reading for Beginners. Erckmann-Chatrian,—Madame Thérèse; About,—Le Roi des Montagnes. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., W'ed., Fri., at 10*; SECTION 2, *Tu., Th., Sat., at 11.* 14 F. H. MR. GRAVES. (III.)

Candidates for the degree of B. S. must complete the equivalent of I. and II. French, as well as I. and II. German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. INTERMEDIATE FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight-reading in class, and for each half-year collateral reading is given to be prepared by the student himself for examination. On Tuesdays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. SECTION 1, *Tu., Th., Sat., at 8.* 39 F. H. SECTION 2, *Tu., at 8.* 39 F. H. *Mon., Fri., at 3.* 15 F. H. PROFESSOR KUHN and MR. GRAVES. (VII.)

Course II. is elective for those who have taken Course I.

*III. FRENCH CONVERSATION. The object of this course is to give practice in speaking and hearing French. During the year several informal lectures on travel in Europe are given in French. These lectures are illustrated by lantern slides. *Fri., at 8.* 39 F. H. PROFESSOR KUHN. (I.)

Course III. is elective, with the permission of the instructor, for those who have taken, or are taking, Course II.

*IV. MODERN FRENCH LITERATURE. French literature in the seventeenth, eighteenth, and nineteenth centuries. The masterpieces of Corneille, Racine, Molière, Boileau, La Fontaine, Rousseau, Chateaubriand, Lamartine, Alfred de Musset, Victor Hugo, Balzac, and others are read and discussed in French, but not translated. Frequent lectures are given by the instructor on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. At each recitation translation from English into French is made. In addition, each member of the class must make, twice during the year, a more extensive study of some one particular writer. *Tu., Th., at 10.* 39 F. H. PROFESSOR KUHN. (IX.)

Course IV. is elective, with the permission of the instructor, for those who have taken, or are taking, Course III.

V. OLD FRENCH. The work for the current year consists in the translation of Old French texts, and the study of Old French literature, with special reference to its influence on

the literatures of the other nations of Western Europe. Lectures and collateral readings form part of the work. *Mon., at 8 (counting as two hours a week).* 39 F. H. PROFESSOR KUHNS. (I.)

Course V. is elective for those who have taken Courses I.-IV.

* VI. FRENCH SEMINARY. This course is especially designed to meet the needs of those who intend to teach French. It includes the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. *Wed., at 8.* 39 F. H. PROFESSOR KUHNS. (I.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

VII. ELEMENTARY ITALIAN. Italian Principia, I. De Amicis,—Cuore; Pellico,—Le Mie Prigioni. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the Inferno and the Purgatorio of Dante, the last half-hour of each recitation being devoted to this exercise. As a preparation for this part of the work, the class is required to read Gardner's Dante. *Wed., Fri., at 10.* 39 F. H. PROFESSOR KUHNS. (III.)

Course VII. is elective for Sophomores who have taken I. French.

[VIII. ADVANCED ITALIAN. Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Twice a week.* PROFESSOR KUHNS.]

Course VIII. is elective for those who have taken Course VII. It is omitted the present year.

IX. DANTE IN ENGLISH. The New Life and the Divine Comedy are read in English translations. The instructor interprets these books in the light of the history, science, theology, and philosophy of the Middle Ages, comparing Dante with Homer, Shakespeare, and other world-poets, and showing his influence on modern thought, art, and literature. *Th., at 8.* 39 F. H. PROFESSOR KUHNS. (VII.)

Course IX. is elective for Juniors.

[X. ELEMENTARY SPANISH. Grammar, and reading of simple Spanish prose. *Twice a week.* MR. GRAVES.]

Course X. is elective for Sophomores who have taken I. French. It is omitted the present year.

XI. ADVANCED SPANISH. The chief emphasis in this course is laid on the Don Quijote of Cervantes. *Tu., Th., at 2.* 39 F. H. MR. GRAVES.

Course XI. is elective for those who have taken Course X.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

I. GENERAL INTRODUCTION TO ENGLISH LITERATURE. 1. An outline of the history of the literature. Stopford Brooke's English Literature, with lectures. *First half-year.*

2. Class-room reading and discussion of literary masterpieces, illustrative of different varieties and periods of English literature. The works selected are: Chaucer's Prologue to the Canterbury Tales, and the Nonne Preestes Tale; Shakespeare's Hamlet; Milton's minor poems. *Second half-year.*

3. A brief course of collateral reading, with written recitations and essays upon subjects drawn from the reading. Members of the class choose one of the courses in Winchester's Five Short Courses of Reading in English Literature. These courses consist of selections from the following authors:

- (1) 1559-1674. Marlowe, Green, Shakespeare, Bacon, Milton.
- (2) 1660-1745. Dryden, Addison, Steele, Swift; with Johnson's Lives of Dryden, Swift, and Pope, and Thackeray's Lectures on the English Humourists.
- (3) 1745-1789. Gray, Goldsmith, Johnson, Burke, Cowper, Burns; with Leslie Stephen's Life of Johnson, Dobson's Life of Goldsmith, Morley's Life of Burke.

(4) 1789-1832. Wordsworth, Coleridge, De Quincey, Lamb, Byron, Shelley, Keats.

(5) 1832-1880. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson. *Mon., Wed., at 12.* 14 F. H. (V.)

Course I. is elective for Sophomores.

[II. SIX PLAYS OF SHAKESPEARE. *Three times a week.*]

III. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Arnold, Tennyson, Browning. *Mon., Wed., Fri., at 9.* 14 F. H. (II.)

[IV. ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Three times a week.*]

Courses II., III., and IV. are elective for those who have taken Course I. Courses II. and IV. are omitted the present year.

*V. NEW ENGLAND LITERATURE, 1835-1885. Emerson, Longfellow, Lowell, Hawthorne, Whittier, Holmes. *Mon., Wed., at 11.* 23 F. H. (IV.)

[*VI. LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Bolingbroke, Pope. *Twice a week.*]

[*VII. ESSAYISTS AND REVIEWERS OF THE EARLY NINETEENTH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Wilson, Hunt. *Twice a week.*]

Courses V., VI., and VII. are elective, with the permission of the instructor, for those who have taken Course I., either Course II., Course III., or Course IV., and Course VIII. Courses VI. and VII. are omitted the present year.

VIII. ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's Principles of Literary Criticism is used as a textbook. *Fri., at 11.* 29 F. H. (IV.)

Course VIII. is elective for those who have taken Course I.

IX. ENGLISH COMPOSITION. The rhetorical exercises of the Senior class are assigned to this department. Every Senior (unless excused from half this requirement by the election of Debate as specified below) must write either four essays or two orations. All written work receives the personal criticism of the instructor.

DEBATE. Weekly practical exercises. Two members of the class are appointed to conduct the debate at each exercise. They must prepare written briefs of their argument, which are revised and corrected by the instructor, and are then publicly posted four days before the debate. *Mon., at 8.* 13 F. H.

The course in debate is elective for Seniors, and those who elect it are excused from half the rhetorical work required of Seniors. It does not count in the quota for graduation, except as part of the requirement in rhetoricals.

The rhetorical exercises of the Senior year are rated as the equivalent of one hour's work per week for the year; this hour is included in the minimum quota (13) prescribed for Seniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD; MR. GILLET.

I. RHETORIC. A. Scott and Denney's Paragraph-Writing; Woolley's Handbook of Composition. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also at hours appointed by the instructor. SECTION 1, *Mon., Fri., at 11*; SECTION 2, *Mon., Fri., at 12*; SECTION 3, *Mon., Fri., at 3*; SECTION 4, *Tu., Th., at 10.* 29 F. H. *First half-year.* MR. GILLET. B. Gardiner's Forms of Prose Literature, with lectures and practical exercises. For supplementary reading, Lewes's Principles of Success in

Literature, and Wendell's English Composition are recommended. SECTION 1, *Mon.*, at 11; SECTION 2, *Mon.*, at 12; SECTION 3, *Mon.*, at 3. *Second half-year.* 29 F. H. PROFESSOR MEAD. (IV.)

Course I. is required of Freshmen. It counts as *two hours* a week for the year.

II. ENGLISH COMPOSITION. A. Sophomores are required to write six essays during the year on subjects approved by the instructor. MR. GILLET.

B. Juniors write on subjects of their own selection, and choose one of the two following courses: Course I., consisting of five general and two departmental essays; Course II., consisting of two general and four departmental essays. The departmental essays must be written on subjects related to some department of college work and approved by the instructor in English. PROFESSOR MEAD.

Appointments for personal criticism are made for Sophomores and Juniors.

All essays are required to conform in details to the precepts laid down in Woolley's Handbook of Composition.

The essays of Sophomore and Junior years are rated as the equivalent each of one hour's work per week for the year; this hour is included in the minimum quota (15) prescribed for each of these two years.

III. THE ENGLISH ESSAY. A course in the development and types of the essay in English from both the literary and the rhetorical points of view. Bronson's English Essays, supplemented by lectures, class-room discussions, written reports on assigned collateral reading, and occasional essays modeled, so far as is practicable, after the forms and styles studied. *Tu.*, *Th.*, at 9. 29 F. H. MR. GILLET. (VIII.)

Course III. is elective for all Juniors, and for Sophomores who have attained first grade in Course I.

IV. OLD ENGLISH (Anglo-Saxon). This course is of fundamental importance as an introduction to the study of the English language and Early English literature. The principal reading at the outset is in Bright's edition of The Gospel of

St. John in West Saxon. The grammar is drawn from Bright's Anglo-Saxon Reader, with copious illustrations and explanations based upon the texts read. The reading of the second half-year is mainly in Old English poetry and in prose illustrating important periods of Old English history. A lecture once a week, with a reading of Skeat's Primer of English Etymology, explains in detail the relations of the Old English language to modern English. *Tu., Wed., Th., at 3.* 29 F. H. PROFESSOR MEAD. (XII.)

[*V. MIDDLE ENGLISH. Emerson's Middle English Reader; Chaucer's Canterbury Tales and Minor Poems; ten Brink's Language and Metre of Chaucer. The pieces read in class are discussed in lectures treating the period from the point of view of comparative literature. For this course an accurate knowledge of Old English (Anglo-Saxon) is a prerequisite. *Twice a week.* PROFESSOR MEAD.]

Course V. is elective for Juniors, with the permission of the instructor. It is omitted the present year.

VI. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course is to show in lectures and class discussions how English words have been made, how they have changed their sounds, their forms and their meanings, how and when foreign words have been borrowed, and, in particular, how American English differs from that of England. The work is brought into close connection with the study of literature. A special subject of study in 1909-10 is the diction of the English poets. The collateral work involves the use of various books of reference, and in particular of Skeat's Concise Etymological Dictionary. *Tu., Th., at 11.* 29 F. H. PROFESSOR MEAD. (X.)

Course VI. is elective for Juniors.

[VII. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's Idylls of the King, Swinburne's Tale of Balen, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. *Twice a week.* PROFESSOR MEAD.]

Course VII. is elective for Juniors. It is omitted the present year.

VIII. ENGLISH FICTION. The theory of narrative composition, and the historical development of the novel. Perry,—A Study of Prose Fiction; Cross,—Development of the English Novel. Lectures and assigned readings. *Tu., Th., at 12.*
29 F. H. PROFESSOR MEAD. (XI.)

Course VIII. is elective for Juniors.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

PUBLIC SPEAKING.

MR. WETZEL.

PUBLIC SPEAKING. Instruction in the course in public speaking is given in three sections, one for each of the three upper classes. The courses are so arranged as to give the student a systematic and progressive course of training in the art of oral expression and delivery.

A. SOPHOMORES. Special attention is given to vocal training, pronunciation, and articulation. This course includes systematic practice in oral expression and delivery with special reference to the principles of gesture and to the fundamental characteristics of conversation, viz.: pause, touch, pitch, inflection, movement, and tone-color. *Sat., at 11.* 13 F. H.

B. JUNIORS. A course in forensic oratory, including systematic practice in debate, with special reference to the construction and delivery of the argument and the rebuttal. *Sat., at 10.* 13 F. H.

C. SENIORS. A course in the oral expression of Shakespeare and Browning, with special reference to the theory and art of vocal and gestural interpretation of dramatic literature. *Sat., at 9.* 13 F. H.

Once a week for twenty weeks, counting as half an hour for the year.

This course cannot be elected as part of the minimum quota of 15 hours for Sophomores and Juniors, and 13 hours for Seniors.

HISTORY.

† PROFESSOR DUTCHER.

I. **ENGLISH HISTORY.** From the earliest times to the present day. Tout's *Advanced History of Great Britain* is used as the text-book, and there is required, in addition, the reading of Wakeman's *Introduction to the History of the Church of England*, Cheyney's *Introduction to the Industrial and Social History of England*, Montague's *Elements of English Constitutional History*, and a few selections from Adams and Stephens's *Select Documents of English Constitutional History*, and from Lowell's *Government of England*. Lectures and assigned work. *Mon., Wed., Fri., at 8.* 11 F. H. (I.)

Course I. is elective for Freshmen. Those intending to elect the later courses in history should elect Course I. not later than the Sophomore year.

Students electing history as their major study must take Course I. not later than the Sophomore year. Students may then elect to make their major work in either American or European History, and must complete the minimum of nine hours required for a major in this department by taking either Courses II. and III., or Courses IV. and V.

II. **AMERICAN COLONIAL HISTORY, 1492-1789.** Channing's *History of the United States*, Hart's *Formation of the Union*, MacDonald's *Select Charters*. Lectures and assigned work. *Mon., Wed., Fri., at 12.* 11 F. H. (V.)

Course II. is elective for those who have taken I. History or I. Economics.

[III. **UNITED STATES HISTORY, 1789-1865.** Hart's *Formation of the Union*, Wilson's *Division and Reunion*, MacDonald's *Select Documents of United States History*. Lectures and assigned work. *Three times a week.*]

Course III. is elective for those who have taken I. History or I. Economics. Courses II. and III. are given in alternate years, Course III. being omitted the present year.

† During Professor Dutcher's absence on account of illness the first half-year, his classes were conducted by Dr. Learned.

[IV. EUROPEAN HISTORY, 300-1600. Hassall's Periods of European History, vols. 1-4. Lectures and assigned work. *Three times a week.*]

Course IV. is elective for those who have taken any one of Courses I., II., and III.

V. EUROPEAN HISTORY, 1600-1890. Hassall's Periods of European History, vols. 5-8. Lectures and assigned work. *Mon., Wed., Fri., at 10.* 11 F. H. (III.)

Course V. is elective for those who have taken any one of Courses I., II., and III. Courses IV. and V. are given in alternate years, Course IV. being omitted the present year.

An ability to read historical works in either French or German is highly desirable for those electing Courses IV. and V., but is not required.

*VI. HISTORICAL SEMINARY. Subject for the current year: The history of the United States during the period of reconstruction (beginning in March, 1869). This course is intended to afford training in historical method. Topics for individual research and report are regularly assigned, and the work of the student is subject to the constant supervision and criticism of the instructor. *Wed., 7-10 p. m. (second and third terms), counting as two hours for the year.* 10 F. H.

Course VI. is elective, with the permission of the instructor, for Seniors who have shown, in earlier courses in the department, ability to do advanced work in history.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Recitations and discussions. *Tu., Th., at 9.* 11 F. H. (VIII.)

Course I. is elective for Juniors; with the permission of the instructor, it may be taken by Sophomores.

[II. ADVANCED ECONOMICS. This course includes a brief historical view, on the basis of Ingram's History of Political

Economy, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Twice a week.*]

Course II. is elective for those who have taken Course I. It is given in alternate years with Course III., and is omitted the present year.

III. PUBLIC FINANCE. The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Mon., Wed., at 11.* 11 F. H. (IV.)

Course III. is elective for those who have taken Course I. It is given in alternate years with Course II.

IV. 1. THE TRUST PROBLEM. A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 2. MONEY AND BANKING. A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the various schemes for reform. 3. THE TARIFF. A study of the theory of protective customs duties and of the history of tariffs in America. *Tu., Th., at 11.* 11 F. H. (X.)

Course IV. is elective for those who have taken Course I. It is given in alternate years with Course V.

[V. THE GENERAL LABOR PROBLEM. A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations, strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Twice a week.*]

Course V. is elective for those who have taken Course I. It is given in alternate years with Course IV., and is omitted the present year.

[VI. SOCIOLOGY. A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Twice a week.*]

Course VI. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VII., and is omitted the present year.

VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Tu., Th., at 12. 11 F. H.* (XI.)

Course VII. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VI.

*VIII. ECONOMIC SEMINARY. Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. For the current year the topics are related to the problems of monopoly and the tariff. *Mon., 7-10 p. m. (first and second terms), counting as two hours for the year. 10 F. H.*

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV. must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by

taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is also open to such undergraduates as are making special studies in the department. Courses II.-VII., while intended primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

PHILOSOPHY.

PROFESSORS ARMSTRONG AND DODGE; MR. WOOSTER.

I. ELEMENTARY COURSE. 1. PSYCHOLOGY. Lectures and recitations based on Sully's Outlines of Psychology, and other standard authorities (*first half-year*). 2. LOGIC. Jevons-Hill's Elements of Logic. An elementary course in the fundamental forms of reasoned thinking, deductive and inductive alike (*second half-year*). *Mon., Wed., at 11.* 28 F. H. PROFESSOR ARMSTRONG. (IV.)

Course I. is elective for Sophomores. It is preparatory to all later work in the department, and should therefore be taken as early as convenient by all students who plan to elect their major studies in this department, or in the department of Ethics and Religion.

I.A. SUPPLEMENTARY READING COURSE. A course of selected readings, collateral to Course I., and chosen principally from the field of physiological psychology. In connection with this course the laboratory is open one hour per week for demonstrations and conferences. The work of the class is tested by frequent written recitations. *Counting as one hour a week.* PROFESSOR ARMSTRONG and MR. WOOSTER.

Course I.A is elective for those who are taking Course I.

[II. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY. Lectures and class demonstrations, with collateral reading. The course opens with an account of the structure and operation

of the nervous system, and the interrelation between mind and body. It includes experimental discussions of the elementary psycho-physical processes and of some of the more complex processes, as time and space, the geometrical illusions, language, motor organization, mental hygiene, instinct, habit, and reaction. *Three times a week.* PROFESSOR DODGE.]

Course II. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year. It is omitted the present year.

[III. ADVANCED PSYCHOLOGY. Lectures, and reports by members of the class. Part I. A systematic general account of the emotions and the will. Part II. A more detailed account of special phenomena, including anger, fear, the tender emotions, sympathy, the aesthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Twice a week.* PROFESSOR DODGE.]

Course III. is elective for those who have taken Course I. It is omitted the present year.

[IV. EDUCATIONAL PSYCHOLOGY. Lectures, reports, and required readings, constituting a systematic discussion of the laws of mental development and the psychological basis of educational theory and practice. In conjunction with Course I. in philosophy, this course is planned to meet the requirements in educational psychology of those states and cities which demand the professional training of teachers, but it is also intended to serve the needs of those whose interest in the psychological problems of education is non-professional. *Twice a week.* PROFESSOR DODGE.]

Course IV. is elective for those who have taken Course I. It is omitted the present year.

[*V. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. *Once a week.* PROFESSOR DODGE.]

Course V. is elective, with the permission of the instructor, for those who have taken Course II. It is omitted the present year.

[VI. ADVANCED LOGIC. Hibben's Inductive Logic. A systematic discussion of the origin, the forms, and the limitation of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and scientific evidence are analyzed and the practical limits of proof are discussed. *Once a week*. PROFESSOR DODGE.]

Course VI. is elective for those who have taken Course I. It is omitted the present year.

VII.¹ INTRODUCTION TO PHILOSOPHY. Lectures and recitations, with references to the Introductions of Stuckenberg, Ladd, Külpe, and Paulsen. *Tu., Th., at 11 (first half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (X.)

Course VII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

VIII.² ANCIENT AND MEDIAEVAL PHILOSOPHY. Zeller's Outlines of Greek Philosophy, with references to Schwegler, Zeller's larger work, and other authorities; lectures and discussions. *Tu., Th., at 11 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (X.)

Course VIII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

IX.¹ MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other standard histories of philosophy. *Mon., Wed., Fri., at 10 (first half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course IX. is elective, under ordinary circumstances, for those who have taken Course VIII.

X.² MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other authorities. In the later part of the course special consideration is given to contemporary English and American philosophy. *Mon., Wed., Fri., at 10 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (III.)

Course X. is elective for those who have taken Course IX.

*XI. PHILOSOPHICAL SEMINARY. Readings in modern philosophy, with especial attention to selections from Descartes, Locke, Berkeley, Hume, and Kant. Reports and theses may be required. *Th., 8-9 p. m., counting as two hours for the year.* 24 F. H. PROFESSOR ARMSTRONG.

Course XI. is elective, with the permission of the instructor, for those who are taking Courses IX. and X.

GRADUATE INSTRUCTION.

Courses III., V., and IX.-XI., are intended for advanced undergraduates and graduates. Special courses for graduate students, under the direction of the instructors of the department, may be arranged in advanced experimental and theoretical psychology, historical philosophy, and metaphysics.

ETHICS AND RELIGION.

PROFESSOR RICE; PROFESSOR RAYMOND (*Emeritus*); DR. BEARDSLEE;
DR. GILLETT.

I.² ETHICS. Studies in the history of ethics by lectures, assigned readings, and class-room conferences, with a view to defining the leading themes and theories of historical ethical thought, and to guiding individual judgment and choice among the problems of the moral world. *Tu., Th., at 3 (second half-year).* 15 F. H. DR. BEARDSLEE. (XII.)

Course I. is elective for Seniors.

II.¹ EVIDENCES OF CHRISTIANITY. Lectures and recitations, with collateral readings, digests of the same, and papers on assigned topics. *Th., Sat., at 10 (first half-year).* 15 F. H. DR. GILLETT. (IX.)

Course II. is elective for Seniors.

[*III.² THEISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of

these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year).]*

Course III. is elective, with the permission of the instructor, for those who have taken IX. Philosophy. It is omitted the present year.

[IV.¹ ENGLISH BIBLE, NEW TESTAMENT. A study of St. Paul's letters. This course is chiefly a lecture course. It aims to give an account of Paul's conceptions of Christianity, in the light of contemporary thought, and of his religious experience. An analysis of the several letters studied is required. Text-book: The Records and Letters of the Apostolic Age, by Burton. *Twice a week (first half-year).]*

Course IV. is elective for Seniors. It is omitted the present year.

[V.² ENGLISH BIBLE, OLD TESTAMENT. The course begins with the eighth century B. C., and deals with the development of prophecy. It is a lecture course, and is supplemented by an analysis of the books studied, and by papers on assigned topics. *Twice a week (second half-year).]*

Course V. is elective for Seniors. It is omitted the present year.

VI.² RELATIONS OF SCIENCE AND RELIGION. Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the correlation of physical and vital forces, and the theory of evolution are among the topics discussed. Rice's Christian Faith in an Age of Science is used as a text-book. *Tu., Th., at 10 (second half-year).* 15 F. H. PROFESSOR RICE. (IX.)

Course VI. is elective for Juniors.

MATHEMATICS AND ASTRONOMY.

PROFESSOR VAN VLECK (*Emeritus*); ASSOCIATE PROFESSORS HOWLAND AND CAMP.

I.¹ SOLID GEOMETRY. SECTION 1, *Mon., Wed., Fri., at 9;* SECTION 2, *Tu., Th., Sat., at 9 (first half-year).* 25 O. H. PROFESSOR CAMP. (II.)

Course I. is elective for Freshmen.

II. TRIGONOMETRY. SECTION 1, *Tu., Th., Sat., at 9 (first half-year)*. SECTION 2, *Tu., Th., Sat., at 9 (second half-year)*. 26 O. H. PROFESSOR HOWLAND. (VIII.)

Course II. is elective for Freshmen.

III.² ANALYTIC GEOMETRY. SECTION 1, *Mon., Wed., Fri., at 9*; SECTION 2, *Tu., Th., Sat., at 9 (second half-year)*. 25 O. H. PROFESSOR CAMP. (II.)

Course III. is elective for those who have taken Course II.

Candidates for the degree of B. S. must take two of the above courses, unless they receive credit for them on admission. Those desiring to pursue advanced work in the department should elect Courses II. and III.

IV. TRIGONOMETRY—with applications. A practical course, including spherical trigonometry; problems in surveying, navigation and astronomy; the theory and use of chain, tape, compass, level, transit, and sextant. Field-work in fall and spring. *Wed., Fri., at 8*. 26 O. H. PROFESSOR HOWLAND. (I.)

Course IV. is elective for those who have taken Course II.

V.¹ ALGEBRA. An elementary college course, including the following topics: the binomial theorem, probability, series, undetermined coefficients, determinants, and the solution of equations of higher degree than the second. Text-book: College Algebra, by Rietz and Crathorne. *Mon., Wed., Fri., at 11 (first half-year)*. 25 O. H. PROFESSOR CAMP. (IV.)

Course V. is elective for those who have taken Course III., and, with the permission of the instructor, for those who have taken Course II.

VI.² ANALYTIC GEOMETRY. Advanced course, beginning with a review of Course III., and extending into the subject of solid analytic geometry. *Mon., Wed., Fri., at 11 (second half-year)*. 25 O. H. PROFESSOR CAMP. (IV.)

Course VI. is elective for those who have taken Course III.

Students are advised to take Courses V. and VI. the same year.

VII. DIFFERENTIAL AND INTEGRAL CALCULUS. Elementary course. *Mon., Wed., Fri., at 9. 26 O. H.* PROFESSOR HOWLAND. (II.)

Course VII. is elective for those who have taken Course III.

[VIII. DIFFERENTIAL EQUATIONS. *Twice a week.* PROFESSOR HOWLAND.]

Course VIII. is elective for those who have taken Course VII. It is omitted the present year.

[IX. MODERN ANALYTIC GEOMETRY. Homogeneous coordinates; the projective properties of conics. *Twice a week.*]

Course IX. is elective for those who have taken Courses V. and VI. It is omitted the present year.

[*X. HIGHER ALGEBRA. Introduction to the theory of algebraic forms. *Twice a week.* PROFESSOR HOWLAND.]

Course X. is elective, with the permission of the instructor, for those who have taken Courses V., VI., and VII. It is omitted the present year.

[*XI. THE THEORY OF INFINITE SERIES. *Twice a week.*]

Course XI. is elective, with the permission of the instructor, for those who have taken Course III. It is omitted the present year.

XII. CALCULUS. A continuation of Course VII. It includes the theory of definite integrals; their application to the finding of areas, volumes, centres of gravity, moments of inertia; partial differentiation, with application to geometry of space; double and triple integrals. Text-book: *A First Course in Differential and Integral Calculus*, by Osgood. *Tu., at 11; Fri., at 10. 26 O. H.* PROFESSOR HOWLAND. (X.)

Course XII. is elective for those who have taken Course VII.

[XIII. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. Elementary course. *Twice a week.* PROFESSOR HOWLAND.]

Course XIII. is elective for those who have taken Course VII. It is omitted the present year.

[XIV. MECHANICS. This course is intended partly for students of mathematics, and partly for scientific students who are preparing to study engineering or mathematical physics. A large number and a wide variety of problems are solved. Jeans's *Theoretical Mechanics* is used as a text-book. *Three times a week.* PROFESSOR CAMP.]

Course XIV. is elective for those who have taken Course VII. It is omitted the present year, but will be given in 1910-11.

[XV. METHOD OF LEAST SQUARES. With applications to astronomy and geodesy. *Twice a week.*]

Course XV. is elective for those who have taken Course III. It is omitted the present year.

XVI.¹ DESCRIPTIVE ASTRONOMY. Lectures and recitations. This course is designed to give such a knowledge of the subject as may properly constitute a part of a liberal education. Mathematical topics are eliminated as far as practicable. Opportunities of viewing the principal celestial objects through the telescope are given. Young's *Elements of Astronomy* is used as a text-book. *Tu., Th., Sat., at 10 (first half-year).* 25 O. H. PROFESSOR CAMP. (IX.)

Course XVI. is elective for those who have taken Course I.

XVII.² PRACTICAL ASTRONOMY. The theory and use of the transit, zenith telescope, prime vertical, and equatorial. In this course are considered some of the mathematical topics omitted in Course XVI., but most of the time is devoted to work in the observatory. *Tu., Th., Sat., at 10 (second half-year).* 25 O. H. PROFESSOR CAMP. (IX.)

Course XVII. is elective for those who have taken Courses III. and XVI.

[XVIII. CELESTIAL MECHANICS. Introductory course. *Twice a week.*]

Course XVIII. is elective for those who have taken Course XIV. It is omitted the present year.

PHYSICS.

PROFESSORS CRAWFORD AND CADY; MR. STEVENS.

NOTE.—Students who receive credit in physics on admission, but who do not take Course I., must give evidence by examination or otherwise of the requisite proficiency before being admitted to any of Courses III.-XIII.

I. ELEMENTARY PHYSICS. A general course, with experimental illustrations, following Crew's General Physics as a text-book. *Mon., Wed., Fri., at 10.* 34 S. L. PROFESSORS CRAWFORD and CADY. (III.)

Course I. is elective for those who have taken, or are taking, II. Mathematics. Students who have received credit in physics on admission to college, but who elect to take Course I. in class, in order to be allowed to pursue the more advanced courses in the department, will receive credit for *two* hours on their quota toward graduation.

I.A. PROBLEMS IN PHYSICS. This course is supplementary to Course I., and is devoted chiefly to the solution of problems which illustrate the principles involved in that course. *Th., at 8.* 34 S. L. PROFESSORS CRAWFORD and CADY. (VII.)

Course I.A is elective for those who have taken, or are taking, Course I., and who have taken II. Mathematics. It should be taken, if possible, with Course I.

II. ELEMENTARY PRACTICAL PHYSICS. This course is parallel with Course I., and may advantageously be taken with it. It is also required as an introduction to further laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSORS CRAWFORD and CADY.

Course II. is elective for those who have taken, or are taking, Course I., or who have received credit in physics on admission.

III.¹ PROPERTIES OF MATTER; SOUND. This course is based on Poynting and Thomson's Sound, and is preceded by a short course of lectures on elasticity and surface tension. Numerous experimental demonstrations are introduced, and

several two-hour periods of laboratory practice are substituted for the regular lectures. *Mon., Wed., Fri., at 12 (first half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course III. is elective for those who have taken Course I.

IV.² LIGHT. Lectures on geometrical optics and the elements of the wave theory of light. Demonstrations and laboratory practice as in Course III. *Mon., Wed., Fri., at 12 (second half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course IV. is elective for those who have taken Course I., and who have taken, or are taking, VII. Mathematics.

[V.¹ HEAT. A general course in the subject, omitting thermo-dynamics. It includes occasional laboratory practice. *Three times a week (first half-year).* PROFESSOR CRAWFORD.]

Course V. is elective for those who have taken Course I. It is omitted the present year.

[VI.² THERMO-DYNAMICS. A course of lectures, with special application to the steam engine, and involving some elementary exercises in engine-testing. *Three times a week (second half-year).* PROFESSOR CRAWFORD.]

Course VI. is elective for those who have taken Course V., and who have taken, or are taking, VII. Mathematics. It is omitted the present year.

VII.¹ ELECTRICITY AND MAGNETISM. A general course of lectures and demonstrations, based largely upon S. P. Thompson's Elementary Lessons in Electricity and Magnetism. *Tu., Th., Sat., at 11 (first half-year).* 34 S. L. PROFESSOR CADY. (X.)

Course VII. is elective for those who have taken Course I.

VIII.² APPLICATIONS OF ELECTRICITY AND MAGNETISM. Lectures on arc and incandescent lighting, the telephone, telegraph, storage batteries, etc. *Tu., Th., Sat., at 11 (second half-year).* 34 S. L. PROFESSOR CADY. (X.)

Course VIII. is elective for those who have taken Course VII.

[IX. DYNAMOS, MOTORS, AND TRANSFORMERS. Text-book and lectures on the elements of direct-current and alternating-current practice, with laboratory tests by the class. *Three times a week.* PROFESSOR CADY.]

Course IX. is elective for those who have taken Course VII., and who have taken, or are taking, XII. Physics and VII. Mathematics. It is omitted the present year.

X. MATHEMATICAL THEORY OF ELECTRICITY. Text-book and lectures on the elementary mathematical theory of electricity and magnetism. In the second half-year the subject of electrical oscillations is especially considered, and the work is in part experimental. *Tu., Th., Sat., at 9.* 34 S. L. PROFESSOR CADY. (VIII.)

Course X. is elective for those who have taken VII. Physics and VII. Mathematics.

XI. PRACTICAL PHYSICS. Careful measurements in mechanics, heat, sound, and light. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSOR CRAWFORD.

Course XI. is elective for those who have taken Course II. In general those electing it will be expected to have taken also one or more of the Courses III.-VII.

XII. EXPERIMENTAL ELECTRICITY. Laboratory practice and measurements in electricity and magnetism. Opportunity is afforded for some shop-work and for practical experience in running an engine and dynamo. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XII. is elective for those who have taken Courses I. and II., and who have taken, or are taking, Course VII.

XIII. ADVANCED EXPERIMENTAL ELECTRICITY. Precise electrical measurements, experimental study of direct-current and alternating-current machinery, and other selected problems in electricity and magnetism. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XIII. is elective for those who have taken Course XII., and either Course IX. or Course X.

GRADUATE INSTRUCTION.

Courses X. and XIII. are intended for advanced undergraduates and graduates. Further graduate courses in the various branches of physics may be arranged to meet individual needs.

DESCRIPTIVE GEOMETRY AND MECHANICAL DRAWING.

*DESCRIPTIVE GEOMETRY AND MECHANICAL DRAWING.

Lectures and recitations, based on Adams's Descriptive Geometry, Part I., and Adams's Mechanical Drawing, together with practice in the draughting room. Problems in descriptive geometry are taken up relating to points, lines, planes, and surfaces, their intersections and developments, etc. The course includes also the care and use of drawing instruments, mechanical drawing from objects, sketching, lettering, dimensioning, isometric projection, etc. *Six of the following hours: Mon., Wed., Fri., at 10; Mon., Wed., Fri., at 11; Sat., at 8; Sat., at 9. The choice must include Mon., Wed., at 10. Counting as three hours for the year.* 40 S. L. MR. STEVENS. (III.)

This course is elective, with the permission of the instructor, for those who have taken I. and II. Mathematics. In general, preference is given to Seniors and to those whose previous work in mathematics and physics has been of high grade.

CHEMISTRY.

PROFESSOR BRADLEY; DR. RENSHAW; DR. TURRENTINE.

I. ELEMENTARY CHEMISTRY. Lectures and laboratory practice. The first half-year is devoted to the non-metallic elements; the second half-year, chiefly to the more common metals. *Tu., Th., Sat., at 10.* 3 J. H. PROFESSOR BRADLEY. (IX.)

Course I. is elective for Freshmen. Students who receive credit in chemistry on admission to college may be admitted to the second half of the course and receive credit for it.

II. QUALITATIVE ANALYSIS. A. Lectures on the chemical problems involved in the detection of the more common bases and acids. *Sat., at 11 (first half-year).* 3 J. H. PROFESSOR

BRADLEY. B. Laboratory practice in basic and acid analysis. Each exercise occupies $2\frac{1}{2}$ hours. Those of Monday and Friday are required. *Mon., Fri., at 2, and a third assigned period (first half-year).* CHEM. LAB. PROFESSOR BRADLEY and DR. TURRENTINE.

Course II. is elective for those who have taken Course I.

III.² ELEMENTARY QUANTITATIVE ANALYSIS. A laboratory course in gravimetric analysis, with lectures and class discussions. Each exercise occupies $2\frac{1}{2}$ hours. Those of Monday and Friday are required. *Mon., Fri., at 2, and a third assigned period (second half-year).* CHEM. LAB. DR. TURRENTINE.

Course III. is elective for those who have taken Course II.

IV.¹ LIQUEFACTION OF GASES. Lectures, with experimental demonstrations, upon the history and theory of the liquefaction of gases, and upon some of the more important results of work at low temperatures. *Wed., Fri., at 10 (first half-year).* 3 J. H. PROFESSOR BRADLEY. (III.)

Course IV. is elective for those who have taken I. Chemistry and I. Physics.

*V. ADVANCED QUANTITATIVE ANALYSIS. A laboratory course in the principles of quantitative analysis as illustrated by selected gravimetric, volumetric, colorimetric, electrochemical and gasometric methods, with lectures and class discussions. Written reports are required covering the theory involved. Each exercise occupies $2\frac{1}{2}$ hours. That of Friday is required. *Mon., Fri., at 2, and a third assigned period.* CHEM. LAB. DR. TURRENTINE.

Course V. is elective, with the permission of the instructor, for those who have taken Course III.

VI. ORGANIC CHEMISTRY. Lectures upon the principles of organic chemistry, including a consideration of many organic compounds of importance in the arts and sciences and in living organisms. *Mon., Wed., Fri., at 11.* 3 J. H. DR. RENSHAW. (IV.)

Course VI. is elective for those who have taken Course II. It is desirable, though not necessary, that those who elect it should take also Course XI.

VII. PHYSICAL CHEMISTRY. A lecture course devoted to a systematic treatment of modern chemical theory. The effect of the variables, heat, light, pressure, and electricity, on chemical reactions is studied in detail. Special attention is given to the mass law and the phase rule. *Tu., Th., at 12.* 3 J. H. DR. TURRENTINE. (XI.)

Course VII. is elective for those who have taken Course II., and have taken, or are taking, Course V.

VIII. INDUSTRIAL CHEMISTRY. Lectures and collateral reading. The subjects discussed are: Food and drink,—milk products, cereals, starch, sugar, meat, tea, coffee, fermented and distilled liquors; preservation of food. Water and sewage. Clothing,—textile fabrics, bleaching, dyeing, calico printing. Paper, leather, glue, india-rubber. Oils, fats and soaps. Acids, alkalies and salts. Metallurgy of iron, copper, silver, gold, etc. Glass and ceramics. Cement, mortar and building material. Fuels,—gas and coke. Petroleum, asphalt and wood products. Preservation of wood, paints and varnishes. Pharmaceutical preparations and perfumes. *Mon., Wed., at 9.* 3 J. H. DR. RENSHAW. (II.)

Course VIII. is elective for those who have taken, or are taking, Course VI.

IX.² ELECTRO-CHEMISTRY. Lectures. A description of electric processes for the preparation of compounds; electrolytic extraction and refining of metals; electro-plating; the theories of electrolysis and electrolytic dissociation. *Wed., Fri., at 12 (second half-year).* 3 J. H. DR. TURRENTINE. (V.)

Course IX. is elective for those who have taken Course II.

*X.² APPLIED ELECTRO-CHEMISTRY. A laboratory course devoted to the study of the phenomena of electrolysis; measurement of electrical constants; determination of current and energy efficiencies in electrolytic work; study of commercial methods of electrolytic plating and refining of metals, and the electro-chemical preparation of pigments and of organic and

inorganic compounds in general. Each exercise occupies $2\frac{1}{2}$ hours. *Two exercises a week, the hours to be determined (second half-year).* CHEM. LAB. DR. TURRENTINE.

Course X. is elective, with the permission of the instructor, for those who have taken, or are taking, V. and IX. Chemistry and VII. Physics.

XI. ORGANIC CHEMISTRY. A laboratory course devoted to the study of typical reactions of organic chemistry, and to the preparation of carbon compounds, including flavoring principles, drugs, perfumes, dye stuffs, etc. Each exercise is required, and occupies $2\frac{1}{2}$ hours. Lectures are given on Mondays at 2. *Mon., at 2, and a second assigned period.* CHEM. LAB. DR. RENSHAW.

Course XI. is elective for those who have taken, or are taking, Course VI. Those who intend to elect Course XII. in the same year must complete Course XI. before the Easter recess.

XII.² ORGANIC ANALYSIS. A laboratory course including the analysis and examination of such material as sugar, milk, butter, cereals; salad, illuminating and lubricating oils; soap, paint, asphalt; water for industrial purposes. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., at 2, and two other assigned periods (third term), counting as one hour for the year.* CHEM. LAB. DR. RENSHAW.

Course XII. is elective for those who have taken Courses III. and XI.

XIII. PHYSIOLOGICAL CHEMISTRY. The chemistry of foods, digestion, assimilation, metabolism, respiration, and the excretions. *Fri., at 9.* 3 J. H. DR. RENSHAW. (II.)

Course XIII. is elective for those who have taken Course VI.

XIV.² PHYSIOLOGICAL CHEMISTRY. A laboratory course devoted to the experimental study of the chemistry of animal tissues and organs, of foods and digestion, and of milk, urine, blood, etc. Each exercise occupies $2\frac{1}{2}$ hours. *Mon., at 2, and two other assigned periods (second half-year).* CHEM. LAB. DR. RENSHAW.

Course XIV. is elective for those who have taken Course III., and who have taken, or are taking, Course XIII.

XV. THEORETICAL CHEMISTRY. Lectures upon the origin, development, and present status of the theory of the molecule and the atom. Attention is given to the corpuscular theory of atomic composition, and to the transformations of radio-active elements. *Wed., Fri., at 12.* J. H. PROFESSOR BRADLEY. (V.)

Course XV. is elective for those who have taken Courses III. and VI.

*XVI. CHEMISTRY SEMINARY. Readings in current literature, with reports and discussions upon assigned topics. *Wed., Fri., at 8.* J. H. PROFESSOR BRADLEY. (I.)

Course XVI. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VI., VII., and XV.

GRADUATE INSTRUCTION.

Course XVI., although elective for undergraduates, is designed chiefly for graduates.

In addition, the following course is offered:

XVII. LOW TEMPERATURE INVESTIGATION. Inquiry into special problems connected with the attainment and utilization of low temperatures. Facilities for this work are afforded by the liquid-air plant. PROFESSOR BRADLEY.

Course XVII. may also be taken by undergraduates who are candidates for special honors in chemistry at graduation.

GEOLOGY.

PROFESSOR RICE; MR. CADY.

I.² PHYSICAL GEOGRAPHY. Recitations and lectures, with Salisbury's Physiography for High Schools as a text-book. SECTION 1, *Tu., Th., at 2 (second half-year)*; SECTION 2, *Tu., Th., at 3 (second half-year)*. J. H. MR. CADY. (XII.)

Course I. is elective for Freshmen.

II. GEOLOGY. Elementary course. A course of lectures, chiefly on dynamical and structural geology. Dana's Revised Text-book of Geology is recommended for reference. *Tu., Th., at 12.* 8 J. H. PROFESSOR RICE. (XI.)

Course II. is elective for those who have taken I. Physics and I. Chemistry, and for others with permission of the instructor.

III.¹ GEOLOGY. Advanced course in structural and dynamical geology. Recitations and lectures, with Chamberlin and Salisbury's College Text-book of Geology as the text-book. Excursions on Saturdays during the fall. The phenomena observed in an excursion are discussed at the next meeting of the class, one of the members of the class often giving a report or lecture thereon. *Mon., Wed., Fri., at 12 (first half-year), counting as four hours a week.* 8 J. H. PROFESSOR RICE. (V.)

Course III. is elective for those who have taken Course II. It is desirable that those who take this course should also have taken the course in physical geography.

IV.² GEOLOGY. Historical geology and paleontology. Recitations and lectures, with same text-book as in Course III. Excursions on Saturdays during the spring term (required only of those who take also Course III.). *Mon., Wed., Fri., at 12 (second half-year), counting as four hours a week for those who take also Course III.* 8 J. H. PROFESSOR RICE. (V.)

Course IV. is elective for those who have taken Course II., and who have taken, or are taking, the courses in zoölogy and botany.

[V.¹ MINERALOGY. Crystallography and optical mineralogy. Lectures and practical exercises. Dana's Text-book of Mineralogy is used for reference. *Three times a week (first half-year).* PROFESSOR RICE.]

Course V. is elective for those who have taken I., II., and III. Mathematics, I. Physics, and I. Chemistry. It is omitted the present year.

[VI.² MINERALOGY. Determinative and descriptive mineralogy. Laboratory work in determinative mineralogy; lectures on descriptive mineralogy. Brush and Penfield's Manual

of Determinative Mineralogy, and Dana's Text-book of Mineralogy, are used for reference. *Three times a week (second half-year).* PROFESSOR RICE.]

Course VI. is elective for those who have taken Course V. It is very desirable that those who take this course should take or have taken III. Chemistry. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses III., IV., V., and VI., although intended primarily for undergraduates, have often been taken by graduate students.

Additional work is provided for graduate students. This may include courses of reading in various branches of geological science, field work, or laboratory work.

BIOLOGY.

PROFESSOR CONN; DR. WHITNEY.

I.¹ GENERAL BIOLOGY. This course is devoted to the study of the simpler laws of life, and the relations of animals and plants. Practical study is made of the earthworm, the frog, and some common plants, which are used as illustrating the general structure and physiology of animals and plants. The course consists of laboratory work, accompanied by lectures, and is designed as an introduction to the study of botany, zoölogy, and physiology. SECTION 1, *Mon., Fri., 2-4*; SECTION 2, *Mon., 2-4, Wed., 11-1 (first half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and DR. WHITNEY. (VI.)

Course I. is elective for Freshmen.

II.² BOTANY. This course is a continuation of Course I., and consists of lectures and recitations, and a large amount of practical work. It includes the study of physiological, morphological, structural, and microscopic botany. The course is chiefly devoted to the study of cryptogams, but this is followed by a short study of phenogams. The last four weeks are devoted to the analysis and description of flowers. *Mon., Fri., 2-4 (second half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and DR. WHITNEY. (VI.)

Course II. is elective for Freshmen.

III. ZOOLOGY. Lectures and recitations. Hertwig's Manual of Zoölogy. Typical examples, illustrating the various groups of the animal kingdom, are studied, attention being given to the general laws of development and the interrelationships of groups rather than to the systematic classification of species. The course includes the embryology of various forms studied, as well as their adult anatomy. In some groups paleontological evidence and general biological problems are discussed. A brief study of the principles of comparative anatomy is given at the end of the course. *Mon., Wed., Fri., at 9.* 8 J. H. PROFESSOR CONN and DR. WHITNEY. (II.)

Course III. is elective for Sophomores.

IV. PHYSIOLOGY. The instruction is given chiefly by lectures, Martin's Human Body being used as a text-book. Enough anatomy is given to render the physiological discussions intelligible, and enough hygiene to guide to an intelligent care of the body. *Tu., Th., at 11.* 8 J. H. PROFESSOR CONN. (X.)

Course IV. is elective for Sophomores.

*V. PRACTICAL BIOLOGY. The design of the courses in practical biology is to furnish opportunity for special biological work along such lines as may be best adapted to the future plans of the student. They are especially useful for those intending to study medicine, for teachers of natural science, and for those who intend to enter upon any line of practical and applied biology.

Those electing the study for more than one year spend the first year in the study of biology in general, making a careful study of illustrative types of the different groups of the animal and vegetable kingdoms, such as amœba, infusoria, hydra, earthworm, bacteria, yeast, mold, lichen, moss, etc. The laboratory work is planned to illustrate, as far as possible, the principles of biology, comparative anatomy, and embryology. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and DR. WHITNEY.

Course V. is elective, with the permission of the instructor, for Sophomores.

VI. PRACTICAL BIOLOGY. The second year in practical biology is regularly devoted to the study of histology, bacteriology, embryology, and mammalian anatomy. The work of the course is variable and will be modified to meet the needs of individual students. During the second half-year each student may pursue some special work assigned by the instructor. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and DR. WHITNEY.

Course VI. is elective for those who have taken Course V.

VII. PRACTICAL BIOLOGY. A course in laboratory work in continuation of Course VI. In most cases it includes the solution of some special problem in order to give the student a knowledge of methods of research. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN.

Course VII. is elective for those who have taken Course VI.

Courses V.-VII. are accompanied by lectures and recitations. The outline of the courses is somewhat variable and is determined according to the purposes and needs of each student.

[VIII. EVOLUTION. A course of lectures and recitations, giving an outline of the general theory of evolution. Conn's *The Method of Evolution* is used as a text-book. *Twice a week.* PROFESSOR CONN.]

Course VIII. is elective for Juniors.

IX. BACTERIOLOGY. A study of the general subject, chiefly by lectures, special attention being given to sanitary problems. *Wed., Fri., at 8.* J. H. PROFESSOR CONN. (I.)

Course IX. is elective for Juniors. Courses VIII. and IX. are given in alternate years, Course VIII. being omitted the present year.

DAILY PROGRAM, 1909-1910

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.	I. A. Greek V. French Debate I. History	IX. Latin II. German, 1 II. French	XXI. Latin VI. French I. History IV. Mathematics XVI. Chemistry Bacteriology	IX. Latin II. German, 1 II. French, 1 Debate in English I. A. Physics	XXI. Latin III. French I. History IV. Mathematics XVI. Chemistry Bacteriology	II. German, 1 II. French, 1
9.	I. Latin, 1 III. German IV. Eng. Literature I. Mathematics, 1 XII. German III. Eng. Language I. Economics VIII. Mathematics Zoology	I. Latin, 2 IX. Latin XIV. Greek X. German XII. German III. Eng. Language I. Economics II. Mathematics, 2 III. Mathematics X. Physics	I. Latin, 1 IV. German III. Eng. Literature I. Mathematics, 1 III. Mathematics, 1 VIII. Mathematics VIII. Chemistry Zoology	I. Latin, 2 IX. Latin XIV. Greek X. German XII. German III. Eng. Language I. Economics II. Mathematics, 2 III. Mathematics X. Physics	I. Latin, 1 IV. German III. Eng. Literature I. Mathematics, 1 III. Mathematics, 1 VII. Mathematics XIII. Chemistry Zoology	I. Latin, 2 X. German Pub. Speaking (Sen.) II. Mathematics, 2 II. Mathematics III. Mathematics, 2 X. Physics
10.	I. X. Latin XII. Latin I. Greek I. French, 1 V. History IX. Philosophy X. Philosophy I. Physics Descriptive Geom.	VII. Greek IV. French I. Eng. Language, 4 Science & Religion Desc. Astronomy Pract. Astronomy I. Chemistry	I. Greek I. French, 1 Italian V. History IX. Philosophy X. Philosophy I. Physics Descriptive Geom. IV. Chemistry	VII. Greek IV. French I. Eng. Language, 4 I. Evidence Science & Religion Desc. Astronomy Pract. Astronomy I. Chemistry	IX. Latin XII. Latin I. Greek I. French, 1 Italian V. History IX. Philosophy X. Philosophy XII. Mathematics I. Physics IV. Chemistry	VII. Greek Pub. Speaking (Jun.) I. Evidence I. Desc. Astronomy Pract. Astronomy I. Chemistry
11.	I. German, 1 V. Eng. Literature I. Eng. Language, 1 III. Economics I. Philosophy IV. Mathematics	I. Latin, 3 II. Greek I. German, 2 I. French, 2 VI. Eng. Language IV. Economics	I. A. Latin I. German, 1 I. Eng. Literature III. Economics I. Philosophy IV. Mathematics	I. Latin, 3 II. Greek I. German, 2 I. French, 2 VI. Eng. Language IV. Economics	IV. Greek I. German, 1 VIII. Eng. Literature I. Eng. Language, 1 IV. Mathematics VI. Mathematics	I. Latin, 3 I. German, 2 I. French, 2 Pub. Speaking (Soph.) VII. Physics VIII. Physics

DAILY PROGRAM, 1909-1910—(Continued)

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
11. Con.	*VI. Mathematics VI. Chemistry	1 VII. Philosophy *VIII. Philosophy XII. Mathematics 1 VII. Physics *VIII. Physics Physiology	*VI. Mathematics VI. Chemistry 1 General Biology, 2	1 VII. Philosophy *VIII. Philosophy 1 VII. Physics *VIII. Physics Physiology	VI. Chemistry	1 II. A Chemistry
12.	IX. Latin II. German, 2 I. English Literature I. Eng. Language, 2 II. History 1 III. Physics *IV. Physics 1 III. Geology *IV. Geology	1 II. Latin *III. Latin III. German VIII. Eng. Language VII. Economics VII. Chemistry II. Geology	IX. Latin II. German, 2 I. English Literature II. History 1 III. Physics *IV. Physics *IX. Chemistry XV. Chemistry 1 III. Geology *IV. Geology 1 General Biology, 2	1 II. Latin *III. Latin III. German VIII. Eng. Language VII. Economics VII. Chemistry II. Geology	II. German, 2 1 I. Eng. Language, 2 II. History 1 III. Physics *IV. Physics *IX. Chemistry XV. Chemistry 1 III. Geology *IV. Geology	
2.	1 VIII. Greek II. B. III. V. XI. XII. 1 XIV. Chemistry 1 General Biology *Botany	1 XII. Greek Spanish II. XI. XII., XIII. *Physics *Phys. Geography, 1 V., VI., VII. Biology		1 XII. Greek Spanish II. XI. XII., XIII. *Physics *Phys. Geography, 1 V., VI., VII. Biology	1 VIII. Greek II. B. III. V. Chem. II. XI. XII., XIII. *Physics 1 General Biology, 1 *Botany	
3.	1 VI. Latin *XIV. Latin I. Eng. Language, 3 II. French, 2 II. B. III. V. XI. XII., XIV. Chemistry 1 General Biology *Botany	1 XVIII. Latin *XIX. Latin 1 VI. German *VIII. German IV. Eng. Language *Ethics II., XI., XII., XIII. *Physics *Phys. Geography, 2 V., VI., VII. Biology	IV. Eng. Language	1 XVIII. Latin *XIX. Latin 1 VI. German *VIII. German IV. Eng. Language *Ethics II., XI., XII., XIII. *Physics *Phys. Geography, 2 V., VI., VII. Biology	1 VI. Latin *XIV. Latin 1 VI. German *VIII. German II. French, 2 I. Eng. Language, 3 II. B. III. V. Chem. II., XI., XII., XIII. *Physics 1 General Biology, 1 *Botany	

DAILY PROGRAM.



The order of lectures and recitations is set forth in the table given on pages 86 and 87. Roman numerals preceding the names of certain studies refer to the numbers of the courses as enumerated in the foregoing statement of courses of instruction. Arabic numerals, following the names of certain studies, indicate the sections into which the classes are divided. The figures ¹ and ² preceding the number of the course indicate respectively first and second half-year.



EXAMINATION GROUPS.

No student is allowed to take more than one course in any of these groups, with the exception of those (bracketed together) which are not given in the same half-year. The following courses are not assigned to any group, and may be elected without limitation: XX. Latin; VIII., XII. Greek; Spanish; Debate; Public Speaking; VI. History; VIII. Economics; I.A, XI. Philosophy; II., XI., XII., XIII. Physics; II.B, III., V., X., XI., XII., XIV. Chemistry; V., VI., VII. Biology.

I.—*M., W., F., at 8.*

XXI. Latin, *W., F.*

I.A Greek, *M.*

III. French, *F.*

V. French, *M.*

¹VI. French, *W.*

I. History.

IV. Mathematics, *W., F.*

XVI. Chemistry, *W., F.*

Bacteriology, *W., F.*

II.—*M., W., F., at 9.*

²I. Latin.

IV. German.

III. Eng. Literature.

{ I. Mathematics.

{ III. Mathematics.

VII. Mathematics.

VIII. Chemistry, *M., W.*

³XIII. Chemistry, *F.*

Zoölogy.

III.—*M., W., F., at 10.*

{ X. Latin, *M., F.*

{ XII. Latin, *M., F.*

I. Greek.

⁴I. French.

Italian, *W., F.*

V. History.

{ IX. Philosophy.

{ X. Philosophy.

I. Physics.

Descriptive Geometry, *M., W.*

IV. Chemistry, *W., F.*

IV.—*M., W., F., at 11.*

⁵I.A Latin, *W.*

IV. Greek, *F.*

V. Eng. Literature, *M., W.*

⁶VIII. Eng. Literature, *F.*

I. Eng. Language, *M., F.*

III. Economics, *M., W.*

I. Philosophy, *M., W.*

{ V. Mathematics.

{ VI. Mathematics.

VI. Chemistry.

¹ May be elected with V. French.

² May be elected with I. and III. Mathematics.

³ May be elected with VIII. Chemistry.

⁴ May be elected with any one course in this group.

⁵ May be elected with I. English Language.

⁶ May be elected with V. English Literature.

V.—*M., W., F., at 12.*

IX. Latin, *M., W.*

I. Eng. Literature, *M., W.*

II. History.

{ III. Physics.

{ IV. Physics.

IX. Chemistry, *W., F.*

XV. Chemistry, *W., F.*

{ III. Geology.

{ IV. Geology.

VI.—*M., F., at 3.*

{ VI. Latin.

{ XIV. Latin.

{ General Biology.

{ Botany.

VII.—*T., Th., S., at 8.*

XV. Latin, *T., Th.*

⁶II. German.

⁶II. French.

Dante in English, *Th.*

I.A Physics, *Th.*

VIII.—*T., Th., S., at 9.*

XI. Latin, *T., Th.*

XIV. Greek, *T., Th.*

{ X. German.

{ XII. German, *T., Th.*

III. Eng. Language, *T., Th.*

I. Economics, *T., Th.*

II. Mathematics.

X. Physics.

IX.—*T., Th., S., at 10.*

VII. Greek.

IV. French, *T., Th.*

{ Evidences, *Th., S.*

{ Science and Religion, *T., Th.*

Astronomy.

I. Chemistry.

X.—*T., Th., S., at 11.*

II. Greek, *T., Th.*

⁶I. German.

VI. Eng. Language, *T., Th.*

IV. Economics, *T., Th.*

{ VII. Philosophy, *T., Th.*

{ VIII. Philosophy, *T., Th.*

XII. Mathematics, *T., also*
F., at 10.

{ VII. Physics.

{ VIII. Physics.

II.A Chemistry, *S.*

Physiology, *T., Th.*

XI.—*T., Th., at 12.*

{ II. Latin.

{ III. Latin.

III. German.

VIII. Eng. Language.

VII. Economics.

VII. Chemistry.

II. Geology.

XII.—*T., Th., at 3.*

{ XVIII. Latin.

{ XIX. Latin.

{ VI. German, *also F.*

{ VIII. German, *also F.*

IV. Eng. Language, *also W.*

Ethics.

Physical Geography.

⁶ May be elected with any one course in this group.

SELECTION OF STUDIES.

FRESHMAN YEAR.

A. FOR CANDIDATES FOR THE B. A. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including I. English Language, which is required of all. The choice must include one three-hour course in Latin or Greek, and one three-hour course from the following: Latin, Greek, mathematics, a modern language.

	Hours per week.
I. English Language, - - - - -	2
I. Latin, - - - - -	3
I.A Latin, - - - - -	1
I. Greek, - - - - -	3
I.A Greek, - - - - -	1
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	1
General Biology, - - - - -	1
Botany, - - - - -	1

B. FOR CANDIDATES FOR THE B. S. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including I. English Language, which is required of all:

	Hours per week.
I. English Language, - - - - -	2
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	1
General Biology, - - - - -	1
Botany, - - - - -	1

Of the following courses, such as are not presented for admission must be passed in college:

Mathematics (either solid geometry and trigonometry or trigonometry and analytic geometry).

I. French and II. French.

I. German and II. German.

SOPHOMORE, JUNIOR, AND SENIOR YEARS.

A student must elect in Sophomore and Junior years not less than *fifteen* nor more than *eighteen* hours per week of study, in Senior year not less than *thirteen* nor more than *eighteen* hours per week of study, inclusive of rhetorical exercises, which are rated as the equivalent of one hour per week each year. The requirement for graduation is *sixty* hours of work, inclusive of rhetorical exercises. After the Freshman year there are no required studies, except rhetorical exercises; but the election of studies must conform to the following requirements:

A. GROUP SYSTEM.

The departments of study are arranged in the following groups:

Group I.	Group II.	Group III.
Latin,	History,	Mathematics and
Greek,	Economics and Social	Astronomy,
German,	Science,	Physics,
Romance Languages,	Philosophy,	Chemistry,
English.	Ethics and Religion.	Geology,
		Biology.

A student's courses, including those of the Freshman year, must include at least *twelve* hours from Group I. and at least *nine* hours from each of Groups II. and III. Courses offered in college, but taken in preparatory school and presented for admission, may be counted in making up this requirement.

B. MAJOR STUDIES.

At the beginning of the Junior year, each student must elect a major study, the requirements for which are not less than *nine* nor more than *twelve* hours work per week for a year in a department, the studies constituting the major to be elected with the approval of the senior instructor in the department in which the major is elected. The major may consist wholly of studies in one department, or partly of studies in cognate departments, so chosen as to make a consistent program. The following courses are not allowed to count in making up a major:

I. English Language, the rhetorical exercises of the Sophomore, Junior, and Senior years, I. French, I. German, I. Chemistry (first-half), Botany, Physical Geography.

DEPARTMENTAL AND OTHER LECTURES, 1908-1909.

In addition to the Courses of Instruction named above, lectures are given each year under the auspices of various departments or of associations connected with the University. Most of these lectures are open to the public. In 1908-09 were given the following:

DEPARTMENTAL LECTURES.

DEPARTMENT OF PHILOSOPHY.—Professor Frederick James Eugene Woodbridge, Columbia University. Subject: "The Objects of Consciousness."

Professor Charles Hubbard Judd, Yale University. Subject: "Social Psychology."

Professor Edward Bradford Titchener, Cornell University. Subject: "The Psychology of Smell."

DEPARTMENT OF HISTORY.—Professor Herbert Percival Gallinger, Amherst College. Subject: "Marco Polo and his Book concerning the Kingdoms and Marvels of the East."

Professor Ephraim Emerton, Harvard University. Subject: "The Erasmus Legend."

Doctor Curtis Howe Walker, Yale University. Subject: "Insularity as a Factor in the Development of the English People."

DEPARTMENT OF CHEMISTRY.—Professor Wilder Dwight Bancroft, Cornell University. Subject: "The Reversal of the Photographic Image."

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The Middletown Scientific Association, founded in 1871, has a membership of about ninety, taken partly from the college and partly from the town. Regular meetings are held on the

second Tuesday of every month during the college year, in the lecture-room of the John Bell Scott Memorial. During 1908-09 the following addresses were given:

Professor Herbert William Conn. Subject: "The Fight against Tuberculosis."

Doctor Raemer Rex Renshaw. Subject: "Industrial Alcohol."

Professor Gordon Ferrie Hull, Dartmouth College. Subject: "The Electron Theory of Matter."

Professor Charles Edward Amory Winslow, Massachusetts Institute of Technology. Subject: "Water Supply and Water Purification."

Professor William North Rice. Subject: "Darwin's Scientific Work and Influence."

Professor Walter Guyton Cady. Subject: "Electrical Oscillations."

Professor Arthur Eugene Watson, Brown University. Subject: "Some Mile-Stone Marks in Electrical Engineering."

Professor Raymond Dodge. Subject: "The Nature and Practical Importance of Fatigue."

Mr. Edward Howe Forbush, State Ornithologist of Massachusetts. Subject: "The Utility of Birds and the Means of Protecting Them."

THE CLASSICAL CLUB.

The Classical Club was founded in 1906 by about twenty of the students taking classical courses. Meetings are held every three weeks during the college year. The following address was given before the club in 1908-09:

Professor Edward Parmelee Morris, Yale University. Subject: "Caesar and Cicero, the Verdict of History."

LA SOCIÉTÉ FRANÇAISE.

A French club was founded in 1907 by a number of students taking courses in the department of romance languages. In the fall of 1909, the club was reorganized under the title of La Société Française, holding fortnightly meetings at the fraternity houses.

DER DEUTSCHE VEREIN.

A club was organized October 23, 1909, by undergraduates for further practice in the German language and the study of German culture. Those undergraduates are eligible for active membership (limited to twenty-five upper classmen and five freshmen) who are taking or have taken courses in German more advanced than Course II. Members of the faculty and graduate students may be elected to honorary membership. Meetings are held semi-monthly in rooms in East Hall, where the Verein expects to maintain a German reading-room. Programs, arranged with the advice of the teaching staff in the department, include addresses by instructors in German in other institutions, papers by members, plays, etc.



GENERAL REGULATIONS.†

REGISTRATION.

Every student of the three lower classes is required to present to the Secretary of the Faculty, on or before the second Wednesday before Commencement, a list of the studies which he proposes to take the next college year. A fee of one dollar shall be paid by each student who fails to present such a list on or before that date. Every student is required to register at the beginning of the first term of each year, at which time changes may be made in the list of studies selected in June. A fee of two dollars shall be paid by each student who does not register at the time appointed.

QUOTA OF STUDIES.

The requirement for graduation is sixty hours of work, inclusive of rhetorical exercises, which are rated as the equivalent of one hour in each of the last three years. Freshmen must elect not less than fifteen nor more than eighteen hours of work per week, Sophomores and Juniors the same amount inclusive of rhetorical exercises, and Seniors not less than thirteen nor more than eighteen hours per week, inclusive of rhetorical exercises. No student will be allowed to take less than the minimum nor more than the maximum above specified, without special permission of the Faculty.

GRADES.

The general character of the work of each student in each study is indicated by his assignment to one of five grades, grade 1 denoting the highest excellence, and grade 5, failure

† Copies of the detailed Regulations may be obtained from the Secretary of the Faculty.

to pass. The Secretary of the Faculty sends to each student, within three weeks after Commencement, a report of his grades in all the studies which he has taken during the year.

EXAMINATIONS.

Regular examinations are held at the end of the year, and during a specified period in February. The allowance of absence from recitations is, in courses running through the year, three times the number of required exercises a week; in courses running through a half-year the allowance is proportionately diminished. A student who has taken the allowed number of absences in any course, exclusive of those excused by the President or by the Committee on Athletic and Musical Organizations, must thereafter present an excuse for every absence taken in that course, and in case he have one unexcused absence in addition to the number allowed, he is excluded from examination and must take a special examination later, paying a fee of five dollars. In the application of this rule, absences from the first or the last exercise of a term in any study, or consecutive absences including the first or the last exercise, are each reckoned as two absences. Absences of the same nature before or after the Thanksgiving recess are each reckoned as two absences.

Special written examinations are held during the week commencing with the Tuesday before the beginning of the first term for all who have been absent from any of the examinations of the previous year, or who have failed to pass in the same, except those who have been examined and failed to pass at both the regular examination in February and the special examination in the third term.

For the benefit of students deficient in second half-year subjects, special written examinations are held during the month of January, at times announced by the Secretary of the Faculty. For these examinations application must be made on or before the first Monday of the second term. A fee of five dollars is charged for each examination.

For the benefit of all students who have been absent from any of the examinations during the preceding part of the

year, or who have failed to pass in the same, special written examinations are held during the third term at times announced by the Secretary of the Faculty; provided that application for such examination is made by the candidate on or before the first Monday of that term.

A student who fails to pass a final examination in any study before that study is taken up by the next succeeding class is required, unless specially excused therefrom, to recite with that class, or, in the case of an elective study, to substitute some other elective therefor. If, at the close of the special examinations held at the beginning of the year, a student is deficient by an amount equivalent to six or more hours of work a week for a year, he is ranked with the next lower class, unless specially excused therefrom by the Administration Committee of the Faculty.

ENTRANCE CONDITIONS.

A student who fails to make up entrance conditions on or before the first day of November of the next college year is excluded from all recitations until the conditions are made up. A fee of five dollars is charged for an examination in entrance conditions after the regular examination for admission at the beginning of the student's second year in college.

PUBLIC WORSHIP.

Devotional services, at which the attendance of students is required, are held in Memorial Chapel every week-day morning, and on Sunday afternoons.

Voluntary religious services under the direction of the Young Men's Christian Association are held weekly.

LEAVE OF ABSENCE.

A student who desires excuse from college exercises on account of absence from town must apply to the President for permission to be absent, and, unless the circumstances of the case render it impracticable, such permission must be obtained before the student's departure.

STUDENT ORGANIZATIONS.

No member of the Senior or Junior class who is deficient in his college work more than two hours a week for a year, and no member of the Sophomore class who is deficient more than three hours a week for a year, is allowed to take part, as a member of a University athletic team, in any athletic contest, except by special permission; and any student whose college work becomes unsatisfactory at any time during the year may be debarred from taking part in such a contest.

Members of the college musical and dramatic organizations, who are deficient as specified in the preceding paragraph, are not allowed to appear in public performances given by those organizations.

No student under censure is allowed to serve, without permission of the Faculty, in any capacity on an athletic organization or on a musical or dramatic association giving public performances.

No Freshman who has entrance conditions amounting to three points is allowed to represent the college on any athletic, musical, or dramatic organization.

The approval of the schedules of public performances given by the musical and dramatic organizations is in the hands of committees of the Faculty.

THE ATHLETIC COUNCIL.

In 1903 the Trustees authorized the organization of an Athletic Council, composed of three representatives each of the Faculty, the alumni, and the undergraduates. The Council has general supervision over the athletic affairs of the college, subject to certain veto powers retained by the Faculty. It administers eligibility rules, except as regards scholarship, approves schedules, ratifies the election of captains and managers, and controls the finances of the several departments of athletics, through a financial secretary. The officers of the council for 1909-10 are: Seward V. Coffin, '89, President; E. T. Harman, 2d, '10, Vice-President; Professor W. P. Bradley, Secretary; Professor R. H. Fife, Jr., Financial Secretary.

EXPENSES.

The annual charges in the Treasurer's bill are as follows:—

Tuition,	-	-	-	-	-	-	-	\$85 00
Incidentals,	-	-	-	-	-	-	-	34 00
Use of library and reading-rooms,	-	-	-	-	-	-	-	6 00
Total,	-	-	-	-	-	-	-	<u>\$125 00</u>

A fee of two dollars is charged for I. Chemistry, and a fee of one dollar for General Biology and for Botany. For the laboratory courses in physics, chemistry, and biology, fees are charged which vary with the nature of the course and with the number of exercises elected per week. The fee for each exercise per week in practical physics, in practical biology, and in II. and XIV. Chemistry, is five dollars; in III., V., and X. Chemistry, eight dollars; and in XI. and XII. Chemistry, ten dollars. Students electing the chemical courses named are required in addition to make a deposit of five dollars, which is refunded at the close of the course after charges for breakage have been deducted.

A diploma fee of five dollars is charged to each student at graduation.

A fee of five dollars is required of every candidate for the Master's degree before his course of study can be approved by the Committee on Graduate Instruction.

A diploma fee of ten dollars is charged to each graduate student upon promotion to the Master's degree.

The college bills are payable soon after the beginning of each term. Unless the bill for any term is paid, or payment thereof guaranteed, on the day appointed, the student is liable to exclusion from recitations.

No student can have an honorable dismissal, or certificate of progress in his studies, until his bills are paid or payment thereof guaranteed.

A student who is absent from college on account of sickness, or for other cause, and who retains his place in his class, must pay the full college bills during his absence.

Board may be obtained in private families at prices varying from \$3.75 to \$5.00 a week. The college fraternities maintain clubs which supply board to their members at prices ranging from \$3.50 to \$5.00 a week. The price of board at the college dining hall is \$2.75 a week.

Women students must reside in the Women's Dormitory unless they live in their own homes in the city. Those residing in the dormitory are charged at the rate of five dollars and a half per week for board and room-rent.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. Instances have been extremely rare in which students of good ability and health have been compelled to leave college for want of money.

DORMITORY ACCOMMODATIONS.

The new North College, at the end of College Row, contains one hundred and one rooms that are available for students. The rooms are lighted by electricity, heated by steam, and provided with single beds, mattresses, chiffoniers, and desks. The prices indicated below are for rent, heat, and care for the year. An extra charge for electric light is also made, the charge depending upon the candle-power furnished. A diagram showing the location of rooms, with dimensions, also a price-list giving number of occupants allowed in each room, will be sent upon application to the Secretary of the Faculty.

Rooms are rented also in Observatory Hall and in East Hall, at a lower rate than is the case in North College. The prices below are for rent and heat for the year. The rooms are not furnished. Most of them are lighted with either gas or electricity, for which an additional charge is made.

Male students are permitted to take lodgings in town, but the places in which they room or board are in all cases subject to the approval of the Faculty. If any of the rooms in the college are thus left vacant, the rent of such rooms may be charged to holders of free scholarships who room in town.

PRICES OF ROOMS FOR ONE OCCUPANT.

- \$47. Observatory Hall, Nos. 3, 6.
 \$52. Observatory Hall, No. 18; East Hall, No. 16.
 \$57. Observatory Hall, Nos. 7, 10; East Hall, Nos. 8, 13, 17, 19, 20.
 \$66. North College, Nos. 4, 8, 15, 16, 23, 24, 41, 42, 50, 51, 64, 65, 73, 74, 91, 92, 98, 99.
 \$76. North College, Nos. 30, 35, 56.*
 \$80. North College, Nos. 7, 46, 69, 80, 86.†

PRICES OF ROOMS FOR TWO OCCUPANTS.

- \$62. Observatory Hall, Nos. 1, 9.
 \$65. Observatory Hall, Nos. 15, 16, 17; East Hall, Nos. 14, 15.‡
 \$70. Observatory Hall, No. 11.††
 \$75. Observatory Hall, No. 12; ‡‡ East Hall, No. 5.
 \$91. North College, Nos. 30, 35, 56; East Hall, Nos. 9, 10, 11, 12.
 \$95. North College, Nos. 7, 46, 69, 80, 85.
 \$100. North College, Nos. 3, 9, 29, 36, 59, 79, 86, 95.
 \$124. North College, Nos. 5-6, 31-32, 33-34, 57-58, 81-82, 83-84, 93-94, 96-97 (price per suite of two rooms).
 \$134. North College, Nos. 1-2, 13-14, 25-26, 27-28, 37-38, 39-40, 52-53, 54-55, 60-61, 62-63, 75-76, 77-78, 87-88, 89-90, 100-101 (price per suite of two rooms).
 \$155. North College, Nos. 10-11-12, 17-18-19, 20-21-22, 43-44-45, 47-48-49, 66-67-68, 70-71-72 (price per suite of three rooms).§

PRICES OF ROOMS FOR THREE OCCUPANTS.

- \$80. Observatory Hall, No. 11; East Hall, Nos. 15, 18.
 \$85. Observatory Hall, Nos. 2, 12.
 \$101. East Hall, Nos. 1, 2.
 \$180. North College, Nos. 10-11-12, 17-18-19, 20-21-22, 43-44-45, 47-48-49, 66-67-68, 70-71-72 (price per suite of three rooms).

* Price \$91, if occupied by two persons.

† Price \$95, if occupied by two persons.

‡ Price \$81, if occupied by three persons.

†† Price \$80, if occupied by three persons.

‡‡ Price \$85, if occupied by three persons.

§ Price \$180, if occupied by three persons.

COLLEGE DINING HALL.

In order to reduce the expense of a college course, the college maintains a dining hall, where board may be obtained at a low rate. There is accommodation for about one hundred boarders. The college is responsible for the general management, the details being in charge of a steward who is responsible to a college officer. Bills are paid into the college treasury, and the college assumes all financial responsibility. The rate of board is at present two dollars and seventy-five cents a week.



MATERIAL EQUIPMENT.

NEW BUILDINGS.

WILLBUR FISK HALL, opened in the summer of 1904, is occupied by the Departments of Language, Literature, History, Economics, and Philosophy. It is of Portland brownstone and practically fire-proof, 113 by 62 feet in dimensions, three stories in height above a lofty and well-lighted basement story, and cost one hundred and fourteen thousand dollars. It contains ten private studies for professors in charge of departments, fourteen lecture-rooms, seven commodious seminary rooms, and a well-appointed psychological laboratory.

In the planning and construction of the building careful attention was paid to matters of heating, lighting, ventilation, and drainage. It is believed that in dignity of external appearance, interior finish, convenience of arrangement, and adaptation at all points to the uses for which it is designed, it is a model college building.

THE JOHN BELL SCOTT MEMORIAL, a new Physical Laboratory, was completed in 1904 at a cost of one hundred and eighteen thousand dollars. It is the gift of the late Charles Scott and of his son, Charles Scott, of the class of 1886, in memory of John Bell Scott, of the class of 1881, who died of disease contracted while serving as Chaplain of the U. S. Cruiser *St. Paul* during the Spanish-American war.

It is a beautiful and imposing building constructed of Harvard brick and Indiana limestone. Its main part has a frontage of 102 feet and a depth of 51 feet, and in the rear is an extension 50 by 30 feet. The building consists of basement, three stories, and attic, except that the third story is omitted in the extension. The main lecture-room contains nearly two hundred seats, and there is a smaller lecture-room seating

about forty persons. The building contains twenty-two rooms for experimental work, elementary and advanced, in addition to lecture and apparatus rooms, photographic dark-rooms, storerooms, offices, a library, and a room for draughting and computing. There is also a tower 4 by 6 feet in cross section, with a height of 54 feet in the clear, which can be used for experiments requiring great vertical extension.

The building is equipped with an exceptionally extensive and complete system of wiring for the purpose of distributing to all points, for experimental use, alternating and direct currents from the city mains as well as current from the storage battery and generators in the basement. For the most part the interior is finished with exposed brick walls, painted a light tint, and with exposed floor timbers and pipe work.

THE NEW NORTH COLLEGE was occupied as a dormitory for men in January, 1908. It is of Portland brownstone, practically fire-proof, 152 by 48½ feet in dimensions, four stories in height above a basement, and cost about \$135,000. The building contains one hundred and one rooms, arranged to satisfy varying demands. There are lavatories in the basement and on the third floor, supplied with tub and shower baths. The floor construction is of reinforced concrete throughout, and the stairs of iron and slate. The building is heated by steam from the central heating plant, and all rooms are lighted by electricity. All partitions in the basement, corridors and stair-wells are of hollow terracotta brick.

SOUTH COLLEGE, which formerly was used for recitation rooms and studies, has been remodeled to serve as an administration building. The entrance to the building has been raised and a new flight of steps constructed as an approach. The old wooden staircases have been replaced by new ones of iron, with slate treads. The first floor is used as a storeroom by the library. The second and third floors contain private offices for the President and the Secretary of the Faculty, a stenographer's room and a storeroom, and a spacious room, finished in quartered oak, used for faculty meetings and as a general office. On the fourth floor are a number of two-room suites for dormitory use.

LIBRARY AND READING-ROOMS.

THE LIBRARY in Rich Hall contains about eighty-three thousand volumes. The library is open every week-day of the college year from 8 A. M. to 10 P. M. Students are allowed direct access to the shelves. Copies of the library rules may be obtained from the Librarian.

The increase of the Library is provided for from the income of funds amounting to \$38,543. The Alumni Library Endowment of \$36,670 is the aggregate of numerous gifts from alumni and friends of the University. The Hunt Library Endowment of \$31,124 was willed to the University by the late Rev. Albert Sanford Hunt, D. D., of the class of 1851. The Wilcox Library Endowment of \$20,749 was willed to the University by the late Mrs. Stephen Wilcox.

On the first floor of Memorial Chapel is a reading-room, provided with daily and weekly newspapers. Another reading-room, on the second floor of Rich Hall, contains the current issues of the most important magazines and reviews, literary and scientific, American and foreign.

ASTRONOMICAL OBSERVATORY.

THE OBSERVATORY is used for purposes of instruction, and is well equipped therefor. Students in astronomy have frequent opportunities to examine the most interesting celestial objects through the telescope; and members of the class in practical astronomy are instructed in the theory and use of all the instruments in the observatory.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

A gift was received in 1903 from the late Joseph Van Vleck of Montclair, New Jersey, to be used toward the erection and equipment of a new astronomical observatory. This gift, with its accumulations, now amounts to about \$50,000.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture-room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a photographic registering apparatus, a chronograph, a Wheatstone stereoscope, a double projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a fall-tachistoscope for class-room demonstration, and a mirror exposure apparatus of new design for studies in the psychology of reading.

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 105. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In electricity, particularly, facilities are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25-horse-power Ball engine, and a 17½-kilowatt direct-current dynamo.

THE CRAWFORD MEMORIAL FUND. A fund of five thousand dollars has been given by Hanford Crawford, of St. Louis, in memory of the Reverend Morris D'Camp Crawford, who was a Trustee of Wesleyan University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the department of physics, or to the promotion of research in the same department.

THE CHEMICAL LABORATORY finds accommodation on the lower floors of Judd Hall. Two lecture and recitation rooms provide facilities for class instruction. The larger of the two is capable of seating one hundred and ten persons.

The laboratory courses are likewise accommodated in two rooms, one of which is reserved exclusively for the use of students in quantitative analysis. In the other, which is the general laboratory room, there are desks for more than fifty students.

The very valuable library of chemical periodicals collected by the late Professor Atwater is housed in the chemical laboratory and is accessible to instructors and students alike.

THE CRYOGENIC LABORATORY furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a liquid-air plant, including a kerosene motor, a Norwalk compressor which delivers about twenty cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about four liters of liquid air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Four rooms are used for general laboratory purposes, of which one is devoted to miscellaneous laboratory work, one to physiological work, one to coarse dissection, and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study. The laboratory is especially well equipped for bacteriological work. Advanced students of the department have also the advantage of the use of the State Bacteriological Laboratory, located in the John Bell Scott Memorial.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanic. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for

purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenezer Hill, Esq., of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAYERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wyllys Street. Its dimensions are 55 by 120 feet.

The basement contains two bowling alleys, a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof, above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation, drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

The gymnasium is in charge of a competent director. Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is

afforded for baseball and field and track athletics. Football is played in another part of the field which has recently been improved for the purpose. An outdoor board track has been built by one of the college fraternities in memory of Jesse Lyman Hurlbut, Jr., class of 1900. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practice at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing-rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. In 1908 a fine collection of birds' nests, and a collection of alcoholic reptiles and amphibians, from Portland and Cromwell, was received from Mr. Charles H. Neff. This department includes about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879. The herbarium of Rev. Merrill Hitchcock, B. A., including about 700 specimens, of which about 200 are from Connecticut, was presented to the museum in 1908.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a valuable accession in the gift of a set of the educational series of rock specimens described in Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection. The collections in paleontology have been very largely increased since 1893 by the work of the present curator in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in the vicinity of Chattanooga, Tenn., Cañon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. Especially important among these accessions are the collections of fossil fishes and plants from the Triassic shales of the Connecticut valley, and of Tertiary fishes and plants from Fossil, Wyo., and Tertiary plants and insects from

Florissant, Col. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by Clarence S. Wadsworth, B. A.; and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., Mrs. W. W. Wilcox, Rev. John Gowdy, B. A., and Rev. Joseph Beech, Ph. B. The collection of coins numbers about 4,500, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Other valuable collections of Chinese coins have been received from Rev. John Gowdy, B. A., and Rev. Joseph Beech, Ph. B. A valuable collection of Greek and Roman coins and facsimiles of such coins, historical medals, and copies of such medals, was presented to the Museum in 1906 by Stephen H. Olin, LL. D. Additional specimens subsequently presented by Dr. Olin make the number of specimens in this collection more than 600. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy and geology. The coins (with the exception of the Olin collection and certain other special collections placed on exhibition

in the museum) are kept in a case in the library, where they can be seen by students and others on special application. Small collections illustrative of classical archæology are kept in the seminary rooms.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOÖLOGY.

Mammals—skins mounted and unmounted, - - -	200
alcoholic, - - - - -	50
skulls and skeletons, - - - - -	110
Birds—skins mounted and unmounted, - - - - -	1,700
nests and eggs, - - - - -	700
Reptiles, - - - - -	600
Amphibians, - - - - -	200
Fishes, - - - - -	2,100
Insects—pinned and alcoholic, - - - - -	6,500
nests, borings, etc., - - - - -	50
Crustacea, - - - - -	1,500
Worms, - - - - -	1,800
Mollusks—shells, - - - - -	90,000
alcoholic, - - - - -	4,000
Echinoderms, - - - - -	1,000
Cœlentera, - - - - -	1,700
Sponges and protozoa, - - - - -	150

DEPARTMENT OF BOTANY.

Plants in herbarium, - - - - -	11,400
Specimens of wood, - - - - -	300
Miscellaneous botanical specimens, - - - - -	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks, - - - - -	21,000
Fossils—Paleozoic, - - - - -	11,500
Mesozoic, - - - - -	3,700
Cenozoic, - - - - -	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens, - - -	3,400
Coins, - - - - -	6,800

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

The heirs of Mr. Ralph Mead have transferred to the University the perpetual scholarship issued in his name. This scholarship, which is at the disposal of the President, exempts the holder from the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, B. A., of the class of 1859. In accordance with its provisions, the income of \$7,321 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIP.

This scholarship was founded by Miss Louisa Loveland. The income of \$2,617 is available, at the discretion of the Faculty, for the use of a deserving student who needs pecuniary assistance. For this scholarship only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church can be candidates. It was awarded for 1909-10 to Alfred Douglass Moore, of the Senior class.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,089 is given annually to that member of the Senior or Junior class who is named by

the Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates. It was awarded for 1909-10 to Milton Lanyon Bennett, of the Senior class.

THE ACKLEY SCHOLARSHIP.

This scholarship was founded by Mrs. Helen E. Ackley. The income of \$2,000 is given annually to such young women among the undergraduates as in the opinion of the Board of Trustees are deserving of assistance.

SCHOLARSHIP FUNDS.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Frank S. Jones Scholarship Fund, \$1,044, founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$3,637, founded by William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,264, founded by John J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory of Hon. George W. Shonk, B. A., class of 1873.

The Starks Scholarship Fund, \$1,051, founded by Mrs. Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,050, founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,094, founded by Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$3,129, founded by James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$10,960, founded by Mrs. Annie M. Swift, of Chicago, Ill., in memory of her husband, Gustavus F. Swift.

The George G. Reynolds Scholarship Fund, \$2,061, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y.

The Cyrus D. Jones Scholarship Fund, \$2,578,
founded by Cyrus D. Jones, of Scranton, Pa.

The Harriet Townsend Reynolds Scholarship Fund,
\$2,554, founded by Hon. George G. Reynolds, LL. D.,
class of 1841, of Brooklyn, N. Y., in memory of his
wife.

The Frank Reynolds Scholarship Fund, \$2,554,
founded by Hon. George G. Reynolds, LL. D., class of
1841, of Brooklyn, N. Y., in memory of his son, who
graduated in 1868.

The Abigail Pennoyer Reynolds Scholarship Fund,
\$2,523, founded by Hon. George G. Reynolds, LL. D.,
class of 1841, of Brooklyn, N. Y., in memory of his
mother.

LOAN FUND.

Besides the scholarships above mentioned, there is a small
fund from which loans are made to deserving students in the
Junior and Senior classes. These loans bear a moderate rate of
interest and are payable usually after graduation.

COLLEGE HONORS.



PRIZES.

THE HARRINGTON PRIZE.—A prize of fifty dollars, the gift of Rev. Edmund Mead Mills, D. D., in memory of Professor C. S. Harrington, is awarded for the best essay on some specified subject in the department of history. The subject for the essay of 1910 is: The Political History of Connecticut from 1827 to 1861. The competition is open to Juniors and Seniors who are taking, or have taken, courses in the department other than Course I. The essays must be left with the head of the department on or before May 31, 1910.

THE JOSEPH D. WEEKS PRIZE.—A prize of fifteen dollars is awarded for the best essay on some specified subject in the department of economics. The subject for the essay of 1910 is: The Economic Basis of Protectionism. The essays must be left with the head of the department on or before the third Monday in May (May 16, 1910).

THE PEIRCE PRIZE.—A prize of ten dollars, the income of a fund given by Rev. Bradford K. Peirce, D. D., is awarded for excellence in natural science. It will be given in 1910 upon a special examination based on Course IV. in biology. The subject of the examination in 1911 will be chemistry; in 1912, geology.

THE PHI BETA KAPPA PRIZE.—A prize of twenty-five dollars, the gift of the Connecticut Gamma of Phi Beta Kappa, is awarded for excellence in Latin. It will be given in 1910 upon a special examination in Cicero's Letters.

THE G. BROWN GOODE PRIZE.—A prize of ten dollars, the gift of Mrs. G. Brown Goode, is awarded for the best original investigation in the department of natural history.

THE JOHN BELL SCOTT PRIZE.—A prize of forty-five dollars, the income of a fund given by the late Charles Scott, is awarded for excellence in the modern languages. It will be given in 1910 to that member of the class in elementary Italian who shall pass the best examination in the life and works of Dante. In 1911 the prize will be given for special work in the department of German.

No person who has once taken either the Harrington, the Joseph D. Weeks, the Phi Beta Kappa, or the G. Brown Goode prize, may compete for it again.

THE WEEKS PRIZE.—A prize of fifteen dollars is awarded for excellence in modern philosophy. It will be given in 1910 for the best examinations in Courses IX. and X. in philosophy, and for additional work to be assigned by the instructor.

THE CAMP PRIZE.—A prize of twenty dollars, the income of a fund given in memory of Samuel T. Camp, is awarded for excellence in English literature. It will be given in 1910 upon a special examination in Course I. in English literature.

THE JOHNSTON PRIZE.—A prize of twenty-five dollars, the gift of Rev. David G. Downey, D. D., in memory of Professor John Johnston, is awarded for excellence in electricity. It will be given in 1910 upon a special examination based on Course VII. in physics.

THE SPINNEY PRIZE.—A prize of fifteen dollars is awarded for excellence in Greek. It will be given in 1910 for special work based in part on the first half of Course II. in Greek.

THE RICE PRIZE.—A prize of twenty dollars, given in memory of Rev. William Rice, D. D., is awarded for excellence in mathematics. It will be given in 1910 upon a special examination based on Course VII. in mathematics.

THE WALKLEY PRIZE.—A prize of twenty dollars, the income of a fund given by Webster R. Walkley, M. A.—*in memoriam* David Hart Walkley, born April 23, 1857; graduated June 27, 1878; died September 16, 1878,—is awarded for excellence in

psychology. It will be given in 1910 for the best examination on the work of the elementary course in psychology, including the references and collateral readings.

Students who compete for either the Weeks, the Camp, the Johnston, the Spinney, the Rice, or the Walkley prize must do so during the year in which they regularly pursue the course or courses on which the examination for the prize is based.

THE WISE PRIZE.—A prize of twelve dollars, the income of a fund given by Rev. Daniel Wise, D. D., is awarded to that member of the Senior class who excels in ethics. It will be given in 1910 to that member of the Senior class who presents the best paper on "A Study of Lincoln as a Moral Model in Politics (as seen in his two Inaugurals)."

THE PRENTICE PRIZE.—A prize of twenty-five dollars, given by Mrs. Elizabeth Brooks Prentice in memory of Professor George Prentice, is awarded to that member of the Senior class who excels in German. It will be given in 1910 upon a special examination based on Course X. in German.

THE SHERMAN PRIZE.—A prize of ten dollars, the income of a fund given by Rev. David Sherman, D. D., is awarded this year to that member of the Freshman class who excels in Latin. It will be given upon a special examination on the *Andria* of Terence. The subject of the examination in 1911 will be Greek; in 1912, mathematics.

THE AYRES PRIZE.—A prize of forty-five dollars, the income of a fund given by Daniel Ayres, M. D., LL. D., is awarded to that member of the Freshman class who is found upon a special examination, held shortly after the beginning of the college year, to have attained the highest excellence in the following studies: Latin, Greek, English, ancient history and geography, mathematics.

THE RICH PRIZE.—A prize of twenty-five dollars, the income of a fund given by Isaac Rich, in memory of his wife, is awarded to that member of the Senior class whose oration at Commencement is deemed best in composition and delivery. These

orations must not exceed twelve hundred words in length, and must be left with the Professor of English Literature on or before the second Tuesday preceding Commencement (June 21, 1910).

THE OLIN PRIZE.—A prize of sixty-five dollars, the income of a fund given by Mrs. Julia M. Olin, and increased by Stephen Henry Olin, L.L. D., is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1910: Samuel Johnson. The subject for the essay of 1911: Robert Browning as an Ethical Teacher. Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 4, 1910).

THE MEAD PRIZE.—A prize of twenty dollars, in memory of Rev. Merritt Bates Mead, is awarded to that member of the Junior class who writes the best English essay. Essays in competition for this prize must not contain more than twelve hundred words, and must be left with the Professor of the English Language on or before the last Saturday of the second term (March 19, 1910).

THE COLE PRIZE.—A prize of thirty-five dollars, the gift of George Henry Walker, B.S., in memory of Charles Edward Cole, is awarded to that member of the Sophomore class who maintains the highest standing in English composition from the mid-year period of his Freshman year to the end of his Sophomore year.

JUNIOR EXHIBITION PRIZES.—Two prizes, of twenty and fifteen dollars respectively, are awarded to the two members of the Junior class who present the best orations at the annual Junior Exhibition. In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 2, 1910).

THE BRIGGS PRIZE.—A prize of sixty-five dollars, the income of a fund given by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

THE CALEF PRIZE.—A prize of fifty dollars, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

THE PARKER PRIZE.—A prize of ten dollars, the income of a fund given by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

THE HIBBARD PRIZE.—A prize of ten dollars, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

THE TAYLOR PRIZE.—A prize of ten dollars is awarded to that student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1908-1909.

The Harrington Prize, to AGNES TREADWAY THOMPSON, 1910.

Committee of Award:—Reverend Samuel Hart, D.D., LL.D., Dean of Berkeley Divinity School.

The Joseph D. Weeks Prize, to ARTHUR T. VANDERBILT, 1910.

Committee of Award:—Professor Gustavus Adolphus Kleene, Ph. D., of Trinity College.

The Peirce Prize, to PAUL NORTH RICE, 1910.

The Phi Beta Kappa Prize, to MARY NIELL, 1911.

The John Bell Scott Prize, to FREDERICK HERBERT GILMAN, 1909.

Committee of Award:—Paul Curts, Ph. D., of Yale University.

The Weeks Prize, to PHILIP LOMBARD GIVEN, 1909.

The Camp Prize, to ROBERT PARSONS BRIDGE, 1910.

The Spinney Prize, to FALES NEWHALL, 1911.

The Rice Prize, to ELWYN CLARK PARLIN, 1911.

The Walkley Prize, to JOHANNA MARIA ELIZABETH ZEILITZ, 1910.

The Wise Prize, to ERIC MCCOY NORTH, 1909.

The Prentice Prize, to WALTER PARKS BLISS, 1909.

Committee of Award:—Professor William Addison Hervey, M. A., of Columbia University.

The Sherman Prize, to FRANK MAPES HAM, 1912.

Committee of Award:—Professor Roswell Powell Stephens, Ph. D., of the University of Georgia.

The Rich Prize, to ERIC MCCOY NORTH, 1909.

Committee of Award:—Reverend David George Downey, D. D., of Brooklyn, N. Y.; Professor Waldo Selden Pratt, Mus. D., of Hartford Theological Seminary; and Reverend Francis Theodore Brown, B. A., of New Haven.

The Olin Prize, to PHILIP LOMBARD GIVEN, 1909, and HARVEY ALDEN WOOSTER, 1909.

Committee of Award:—Professor Le Baron Russell Briggs, Litt. D., LL. D., of Harvard University.

The First Junior Exhibition Prize, to WALTER HENRY BROWN, 1910.

Committee of Award:—Honorable Frank David Haines, LL. B., of Middletown; Heman Charles Whittlesey, B. A., of Middletown; and Professor Raymond Dodge, Ph. D.

The Second Junior Exhibition Prize, to WALTER PARKS BLISS, 1909.

Committee of Award:—Same as for the First Junior Exhibition Prize.

The Briggs Prize, to GEORGE SWIFT BRENGLE, 1910.

Committee of Award:—Honorable David Ward Northrop, B. A., LL. B., of Middletown; Reverend Charles Wesley Flint, M. A., of Middletown; and James Charles Fox, B. A., of Yale University.

The Mead Prize, to GEORGE SWIFT BRENGLE, 1910.

The Calef Prize, to GEORGE SWIFT BRENGLE, 1910.

Committee of Award:—Professor Frank Walter Nicolson, M. A.; Professor Joseph William Hewitt, Ph. D.; and Professor Leroy Albert Howland, Ph. D.

The Parker Prize, to WILLIAM RANDOLPH MONTGOMERY, 1911.

Committee of Award:—Same as for the Calef Prize.

The Hibbard Prize, to JAMES HERMAN KLEIN, 1912.

Committee of Award:—Same as for the Calef Prize.

The Ayres Prize, to EUGENE SHEPARD CLARK, 1913, prepared at the Bulkeley School, New London, and at Phillips Academy, Exeter, N. H.

APPOINTMENTS FOR JUNIOR EXHIBITION AND COMMENCEMENT.

The Junior Exhibition is held on the third Thursday evening of the spring term (April 14, 1910). The speakers are selected from the men of the Junior class according to their grade in composition subsequent to the Freshman year and by means of a special contest in declamation. The selection of speakers for Commencement, from the men of the Senior class, is determined by their grade in the rhetorical exercises of the Junior and the Senior year and by a special contest in declamation. The number of speakers at each of these public exercises is limited to eight.

The speakers last year were:—

JUNIOR EXHIBITION.

Walter Parks Bliss,	Edward Raymond Hance,
George Swift Brengle,	Alfred Douglass Moore,
Walter Henry Brown,	Jesse David Roberts,
Carl Whitman Doxsee,	Arthur T. Vanderbilt.

COMMENCEMENT.

William Rinehart Barbour,	Dudley Harmon,
Roy Bullard Chamberlin,	Eric McCoy North,
Philip Lombard Given,	Frank Hatch Streightoff,
John Tiebout Hancock,	Harvey Alden Wooster.

HONORS IN SCHOLARSHIP.

I. HONORS IN GENERAL SCHOLARSHIP. — Two grades of honor, designated respectively as honors and high honors, are conferred at graduation, based upon the general scholarship of the student throughout his whole course.

An honor in general scholarship is awarded to a student who has received a grade not below third on an aggregate of not less than 56 hours' work, as reckoned in the record of standings, has received first grade on a number of hours' work not less than the part of the 56 hours' work on which he has received third grade, and has not fallen below fourth grade in any study of the course.

A high honor in general scholarship is awarded to a student who has received a grade not below second on an aggregate of not less than 56 hours' work, has received first grade on an aggregate of not less than 46 hours' work, and has not fallen below third grade in any study of the course.

II. PRELIMINARY HONORS. — Preliminary honors are awarded in the departments of classics and of mathematics at the end of the Sophomore or Junior year, and no student can receive special honors at graduation in Greek, Latin, or mathematics, who has not previously received the corresponding preliminary honors. Notice of candidacy for preliminary honors must be given to the senior officer of the

department, and to the Secretary of the Faculty, as early as the first Monday of the third term of the year in which the candidate intends to present himself for the special examination (April 4, 1910). The case of each candidate is decided by the Faculty. The special regulations concerning the award of preliminary honors are as follows:—

Classics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade, in the following courses:—I., I.A, II., and either III. or IV. Greek, and I., I.A, two of Courses II.–V., and any one of Courses VI., XVI., and XVII., in Latin.

2. He must also pass with distinction a special examination, held near the end of the academic year, and designed to test (*a*) his ability to translate Greek and Latin into English at sight, and (*b*) his knowledge of Greek and Latin grammar, and of Greek and Roman antiquities, mythology, and political and literary history.

Mathematics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade in such courses in mathematics, amounting to not less than nine hours a week, as may be approved by the head of the department.

2. He must pass with distinction a special examination, held near the end of the academic year, which may cover the entire field of his mathematical knowledge.

III. HONORS IN SPECIAL DEPARTMENTS AT GRADUATION.—Two grades of special honor, designated respectively as honors and high honors, are awarded at graduation in each of the following departments:—

Latin; Greek; German; Romance Languages; English; History; Economics and Social Science; Philosophy; Mathematics; Physics; Chemistry; Geology; Biology.

The conditions upon which special honors in these departments are awarded are as follows:—

(1) The candidate must apply to the officer in charge of the department in which he desires to take honors, and to the Secretary of the Faculty, not later than the first Monday of the third term in the Junior year (April 4, 1910).

(2) He must pass at the regular or special examinations in such studies of the college course as are prescribed for honors in the several departments in the schedule given below; and in such studies he must not fall below third grade, and must maintain an average standing of second grade after the beginning of the Sophomore year, or must receive first grade in all of the prescribed studies which he takes after the beginning of the Junior year.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 18, 1910).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year, and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than sixteen hours a week.

2. Courses I., I.A, II., and either III. or IV. in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.–VII. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I.–IV. in Latin.

German.—1. Courses I.–IV., IX.–XII., and one of Courses V., VI., and VII., in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Course IV. in English language.

Romance Languages.—1. Courses I.–VI. in French, and any two other courses in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a) Five courses in English literature; Course IV. or Course VI. in English language; two courses in French, or two courses in German.

(b) Four courses in English language; two courses in English literature; two courses in German and one course in French, or two courses in French and one course in German.

History.—1. All the courses in history.

2. Any three courses in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III., in history.

Philosophy.—One of the following groups of courses:

(a) Courses I.-IV. and VI.-XI. in philosophy, the course in ethics, and the course in theism.

(b) Courses I.-V. and VII.-X. in philosophy, and Courses IV. and VIII. in biology.

Mathematics.—1. Courses in mathematics and astronomy amounting in the aggregate to not less than nineteen hours a week.

2. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course VII. in mathematics in the Sophomore year.]

Physics.—1. Course I. in physics.

2. Two years of practical physics, amounting in the aggregate to not less than five hours a week.

3. Not less than the equivalent of nine hours per week for a year, chosen from Courses III.-X. in physics, and Course XIII. in mathematics.

4. Courses I. and II. in chemistry.

5. Course VII. in mathematics.

Chemistry.—1. Courses I.-III., V., VI., XV., and XVI. in chemistry.

2. (a) Courses VII., IX., and X. in chemistry, Course I. in physics, and one year of practical physics; or (b) Courses XI., XII., and XIII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.-VI. in geology.

2. The course in descriptive astronomy.

3. Courses II. and III. in biology.

4. Not less than two of the following courses:—V., VI., and VII. Biology, II. and III. Chemistry, and IV. Physics.

Biology.—1. Courses I.-IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).

3. Courses I. and II. in geology.

4. Course I. in chemistry.

5. Either Courses II. and III. in chemistry or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 27, 1910).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.

AWARD OF HONORS, 1908-1909.

HONORS IN GENERAL SCHOLARSHIP.

HIGH HONORS.

Stanley Gilman Barker, Eric McCoy North,
 Frank Hatch Streightoff.

HONORS.

Ernest Francis Amy,	Dudley Harmon,
Percy Haven Baker,	Robert Nelson Patterson,
Walter Parks Bliss,	Frank Alton Shailer,
Roy Bullard Chamberlin,	Clarence McKinlay Sherwood,
Carl Whitman Doxsee,	William Elmer Traxler,
Philip Lombard Given,	William Rulon Williamson,
Raymond Israel Hall,	Stanley Davis Wilson,
John Tiebout Hancock,	Harvey Alden Wooster.
Jessie Abbott Johnson,	Anna Belle Knowles,
	Carrie Belle Spafard.

HONORS IN SPECIAL DEPARTMENTS.

HONORS.

Biology.

Raymond Israel Hall. Zoölogy. Thesis: "Comparative Effects of a Constant and a Varied Environment on *Paramecium Caudatum*."

William Elmer Traxler. Evolution. Thesis: "The Relation of Modern Theories of Evolution to Darwinism."

DEGREES.

The following degrees are conferred by the University in course: Bachelor of Arts (B. A.), Bachelor of Science (B. S.), Master of Arts (M. A.), Master of Science (M. S.).

THE BACHELOR'S DEGREE.—The degrees of Bachelor of Arts and of Bachelor of Science are conferred on those who have met the requirements for admission to the respective courses as set forth on page 30, and have taken the required quota of studies in college, as prescribed on pages 91-93.

The baccalaureate degree is awarded *summa cum laude* to a student who takes high honors both in general scholarship and in one or more departments; *magna cum laude*, to a student who takes a high honor either in general scholarship or in one or more departments; *cum laude*, to a student who takes an honor either in general scholarship or in one or more departments.

THE MASTER'S DEGREE.—The degrees of Master of Arts and Master of Science are conferred in accordance with the following regulations:—

1. The degree of Master of Arts is conferred upon Bachelors of Arts of Wesleyan University, of at least one year's standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued in residence for a period of not less than one year.* This course of study is under the full direction of a Committee of the Faculty on Graduate Instruction, composed of three permanent members with the

* Candidates for the Bachelor's degree may, in their Senior year, be admitted to study for the Master's degree, and may count the year as satisfying the requirement of one year's study in residence, provided that the amount of their undergraduate work remaining to be completed at the close of the September special examinations does not exceed four hours. The Master's degree is not conferred, however, on such candidates until the Commencement succeeding that at which the Bachelor's degree has been conferred.

addition of the instructor in charge of each department in which the candidate pursues work.

Bachelors of Philosophy of Wesleyan University who have been enrolled as candidates for the Master's degree prior to Commencement, 1908, and who complete their courses of study after that date, are eligible for the degree of Master of Arts.

Bachelors of Philosophy of Wesleyan University who after Commencement, 1908, apply for the Master's degree are eligible for the degree of Master of Arts.

2. In the case of Bachelors of Arts of other colleges whose course of study is accepted by the Committee on Graduate Instruction, or who pass such additional examinations as the Committee may prescribe, the degree of Master of Arts is conferred on the conditions prescribed in the case of Bachelors of Arts of Wesleyan University pursuing a course of study in residence.

3. The degree of Master of Arts is also conferred upon Bachelors of Arts of Wesleyan University, of at least three years' standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued *in absentia*, and equivalent in amount to that prescribed in the case of resident graduate students; and in all other particulars the same regulations hold in the case of non-resident as in the case of resident students. The degree is also conferred upon Bachelors of Arts of Wesleyan University, of two years' standing, at the satisfactory conclusion of a course of study pursued *in absentia*, on the conditions above specified, provided that the candidate has spent the two years in resident study in a non-professional department of some other university.

4. The degree of Master of Science is conferred upon Bachelors of Science of Wesleyan University, and upon graduates of other colleges holding an equivalent degree, under the same conditions which govern in the case of the degree of Master of Arts.

5. Bachelors of Science of Wesleyan University, and graduates of other colleges holding a Bachelor's degree other than that of Bachelor of Arts, who pass such examinations in Greek or Latin, and in other literary studies, as the Committee on

Graduate Instruction may prescribe, are admitted to the degree of Master of Arts on the conditions prescribed in the case of Bachelors of Arts.

6. A fee of five dollars (payable to the Secretary of the Committee) is required of every candidate for the Master's degree at his enrolment; and a fee of ten dollars (payable to the Assistant Treasurer) is required when the degree is conferred.

7. Evidence of the candidate's proficiency in the approved course of study is given in one or more of the following ways, as the Committee may prescribe: (*a*) by examinations, oral or written; (*b*) by a thesis; (*c*) by the exhibition of scientific specimens, preparations or processes. All such tests of proficiency are under the direction of the Committee, and they report to the Faculty proper candidates for the degree.

In addition to these regulations of the Trustees, the Committee on Graduate Instruction has from time to time adopted standing rules of procedure, among which the following should be noted as specially important:—

Whatever other tests of proficiency may be prescribed, each candidate for the Master's degree is required to pass an oral examination in the presence of the Committee, upon the whole, or a previously specified part, of his course of study.

All examinations, of non-resident as well as of resident candidates, are conducted at the University.

Unless the Committee, for important reasons, determines otherwise in some specific case, no examinations will be given (except in regular college courses), and no thesis or other work prescribed in preparation for the degree will be received, later than the second Saturday before Commencement in the academic year in which the candidate desires to be recommended for the degree (June 18, 1910).

No time-limit is generally fixed within which courses for the Master's degree must be completed. But candidates who have not completed their work at the expiration of six years from the date of their enrolment must renew their enrolment, if they wish to continue their courses. For such renewal no fee will be required.

A complete statement of these rules may be obtained by applying to the Secretary of the Committee on Graduate Instruction (in care of the Office of the University, South College), to whom also all communications from prospective candidates should, in the first instance, be addressed.

DEGREES CONFERRED, JUNE 30, 1909.

DEGREES IN COURSE.

The Degree of Bachelor of Arts was conferred on:—

Ernest Francis Amy,	Oscar Fred Hedenburg,
Merwyn Light Aultman,	Frank Howard Kidder,
Raimond Düy Baird,	Harold Clarence Kilbourne,
Percy Haven Baker,	Waldo Bross MacLean,
William Rinehart Barbour,	Frederic Louis Maxim,
Stanley Gilman Barker,	Arthur Henry Middlemass,
Walter Parks Bliss,	David deWitt Miller,
Gilbert Haven Bishop,	Eric McCoy North,
Raymond Hills Brewer,	John Gregg Paine,
Charles Pratt Canham,	Robert Nelson Patterson,
Frank Everett Carruth,	Charles Sylvester Preble,
Roy Bullard Chamberlin,	George Wilson Roberts,
Herbert Lee Connelly,	Frank Alton Shailer,
James Franklin Cowan,	Clarence McKinlay Sherwood
John Henry Coxe,	Henry Robertson Skeel,
Carl Whitman Doxsee,	George Batchelder Soule,
John Gottfried Frey,	Frank Hatch Streightoff,
Frederick Herbert Gilman,	William Elmer Traxler,
Philip Lombard Given,	Horace Glenn White,
Frederic Squires Gorham,	Clinton Fiske Wilding,
William Morgan Grigson,	William Rulon Williamson,
John Tiebout Hancock,	Stanley Davis Wilson,
Harvey Alden Wooster.	
Jessie Abbott Johnson,	Rosa Mary Palladino,
Carrie Belle Spafard.	

The Degree of Bachelor of Science was conferred on:—

Frisbie J. Bates,	John Tooke Harp,
Clarence Mulford Day,	Frank Lewis Hewitt,
Rollin Colegrove Dean,	William Ernest Leighton,
Edmund Doremus,	John Joseph Marrinan,
Horace Stanton Griffing,	Carleton Friend Miller,
Harold Seymour Guy,	Chester Allen Rich,
Raymond Israel Hall,	Melvin Asa Shaw,
Maurice Adelbert Hammond,	Willis Mitchell Tate,
Dudley Harmon,	Montgomery Rea Trimmer,
	Wilhelm Albert Wintter.

Ethel Clara Burr,

Anna Belle Knowles.

The Degree of Master of Arts on examination was conferred on:—

Wallace Lee Bonham, Ph. B., 1902. Subject: English Literature. Thesis: "The Harmony of the Ethical with the Dramatic Purpose in Shakespeare's Great Tragedies."

Emmett Wells Gould, B. A., 1901. Subject: Ethics and Religion. Thesis: "Is there a Savior for Society?"

Maynard Thompson Hazen, B. A., Williams College, 1908. Subjects: Biology, Chemistry. Thesis: "A Critique of the Theory of Mutation."

Ralph Welles Keeler, B. A., 1904. Subject: English Literature. Thesis: "The Philosophy of Ralph Waldo Emerson."

George Wiley Sherburne, B. A., 1906. Subject: English Literature. Thesis: "Changes in English Literary Ideals as seen in Critical Writing from 1660 to 1832."

George Wood Vinal, B. A., 1906. Subject: Physics. Thesis: "High Frequency Oscillations in the Electric Arc."

The Degree of Master of Science on examination was conferred on:—

Frederick Elisha Shapleigh, B. S., 1908. Subjects: Economics and Sociology, English Literature. Thesis: "American Rural Communities."

HONORARY DEGREES.

The Degree of Master of Arts was conferred on:—

William Dudley Goewey, of the class of 1877, Head of the Department of Latin and Greek, High School, Albany, N. Y.

Herbert Brigham Hayden, of the class of 1884, Superintendent of Schools, Rock Island, Ill.

The Degree of Doctor of Divinity was conferred on:—

Charles Edward Davis, 1876, Principal of Wesleyan Academy, Wilbraham, Mass.

Crandall J. North, 1877, Corresponding Secretary, New York East Conference Endowment Fund Commission, Brooklyn, N. Y.

Wilbur Fisk Tillett, Vice-Chancellor, and Dean of the Theological Faculty, Vanderbilt University.

The Degree of Doctor of Laws was conferred on:—

Francis John McConnell, President of De Pauw University.

Silas Arnold Robinson, Justice of the Supreme Court of Connecticut.

Frank Bentley Weeks, Governor of Connecticut.

DEGREES CONFERRED, NOVEMBER 12, 1909,

AT THE INSTALLATION OF PRESIDENT WILLIAM
ARNOLD SHANKLIN.

—♦♦♦—
The Degree of Doctor of Divinity was conferred on:—

Richard Watson Cooper, 1890, President of Upper Iowa University.

George William Knox, Professor in Union Theological Seminary.

Thomas Nicholson, Corresponding Secretary of the Board of Education of the Methodist Episcopal Church.

The Degree of Doctor of Humane Letters was conferred on:—

Ashley Horace Thorndike, 1893, Professor in Columbia University.

The Degree of Doctor of Laws was conferred on:—

William Howard Taft, President of the United States.

James Schoolcraft Sherman, Vice-President of the United States.

Elihu Root, Senator from the State of New York.

Elmer Ellsworth Brown, United States Commissioner of Education.

William Burt, 1879, Bishop of the Methodist Episcopal Church.

Daniel Ayres Goodsell, Bishop of the Methodist Episcopal Church.

William Herbert Perry Faunce, President of Brown University.

Ernest Fox Nichols, President of Dartmouth College.

Matthew Henry Buckham, President of the University of Vermont.

Harry Augustus Garfield, President of Williams College.

Melancthon Woolsey Stryker, President of Hamilton College.

Richard Cockburn Maclaurin, President of the Massachusetts Institute of Technology.

George Harris, President of Amherst College.

Samuel Hart, Dean of Berkeley Divinity School.

James Hamptou Kirkland, Chancellor of Vanderbilt University.

PUBLICATIONS.

ALUMNI RECORD.—Through the liberality of Orange Judd, M. A., a Biographical Record of the Alumni of the University was published in 1869. A third edition of this Record, revised and corrected, was issued in June, 1883. This edition contains not only the record of alumni, revised and corrected to the date of publication, but also a list of all former students not graduates, with their residences, and such other information with reference to them as the most thorough search could obtain. It also includes a bibliographical record, showing all the more important literary and scientific work done by alumni and members of the Faculty. Copies of this edition may be had on application to the librarian, W. J. James. The price of the Record, postage prepaid, is one dollar.

A ninth edition of the Supplement to the Alumni Record was published in December, 1909. It contains an alphabetical list of the living graduates, with their honorary and professional degrees, their occupations, their addresses, and their geographical distribution; also a list of honorary alumni, with their addresses, if living, or date of death, if deceased. This edition also contains as full information as can be obtained concerning the non-graduates.

Information in regard to changes of address of alumni or non-graduates, or in regard to any other facts suitable for future editions of the Record, is earnestly solicited. All who can furnish such information are requested to communicate with Professor F. W. Nicolson, Secretary of the Faculty.

WESLEY BICENTENNIAL.—A memorial volume was issued early in 1904 containing a full record of the celebration of the bicentennial anniversary of the birth of John Wesley by Wesleyan University at the Commencement of 1903. The book was printed by Theo. L. DeVinne & Co., of New York. It contains over 250 pages, and includes a general

account of the celebration, the full text of all the addresses delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of degrees, honorary and in course, and of nearly six hundred alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds, with two excellent portraits of John Wesley, and with portraits of the principal speakers. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.50, postage prepaid.

SEVENTY-FIFTH ANNIVERSARY.—A memorial volume, descriptive of the celebration of the seventy-fifth anniversary of the founding of Wesleyan University, held during the Commencement week of 1906, was published in June, 1907. The volume contains a full account of all the proceedings, including the text of all the addresses, a list of the alumni attending the celebration, a list of degrees conferred, etc., and is illustrated with pictures relating to the history of the University. The historical address by Professor William North Rice and the pictures of the college, old and new, are of peculiar interest to all former students. The volume is published in a form in keeping with the interesting and valuable record it contains. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.00, postage prepaid.

BULLETIN.—The *Bulletin* was first issued in 1888, and has since been published twice a year (usually in May and December), under the direction of a committee of the Faculty. It contains accounts of trustee and alumni meetings, lists of recent gifts, statements of the most urgent needs of the University, changes in the Faculty and courses of study, department notes, and various other matters of interest to the alumni and friends of the institution. It is sent to the trustees and alumni, and may be obtained by other friends of the University upon application to the Secretary of the Faculty.

PICTURE OF THE COLLEGE.—A photogravure in sepia, fifteen by twenty-eight inches, showing the college campus and most of the college and fraternity buildings, has been published by

W. T. Littig & Co., of New York. The college has a number of copies of the picture for sale to alumni and others. Price \$5.00 each. Orders should be sent to Professor F. W. Nicolson, Secretary of the Faculty.

NECROLOGY.—A list of deceased graduates of the University is published annually in the Spring *Bulletin*. All persons who can supply information for future lists are urgently requested to communicate the same to Professor F. W. Nicolson, Secretary of the Faculty.



ALUMNI ASSOCIATIONS.

GENERAL ALUMNI ASSOCIATION.

President—George Mason La Monte, '84, Bound Brook, N. J.
Corresponding Secretary—William John James, '83, Middletown.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.

President—Edward Arthur Wilkie, '76, Boston, Mass.
Secretary—Olin Fisk Herrick, '02, 4A Park St., Boston, Mass.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.

President—Gordon Clark Douglass, '08, Brookline, Mass.
Secretary—Frederic Stewart, '08, 25 Arundel St., Roslindale, Mass.

WESLEYAN ALUMNI CLUB OF NEW YORK.

President—Clinton DeWitt Burdick, '86, Brooklyn, N. Y.
Secretary—Clarence Fletcher Corner, '03, 245 Greene St., Brooklyn, N. Y.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.

President—Kenneth Mackarness Goode, '04, New York, N. Y.
Secretary—Allen Reynolds Bishop, '05, 159 Remsen St., Brooklyn, N. Y.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.

Secretary—Ralph Walter Rymer, '00, 507 Connell Building, Scranton, Pa.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.

President—Charles Sumner Chapin, '80, Newark, N. J.
Secretary—Harry Pierson Day, '03, Prudential Building, Newark, N. J.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.

President—Wilbur Fisk Hamilton, '79, Philadelphia, Pa.
Secretary—George Imlay Bodine, Jr., '06, 129 South Fourth St., Philadelphia, Pa.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.

President—Augustus Frederick Nightingale, '66, Chicago, Ill.

Secretary—John Edwin Wing, '00, 115 Adams St., Chicago, Ill.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.

President—Charles Melville Parker, '68, Pasadena, Cal.

Secretary—Ernest Perley Clarke, '85, Riverside, Cal.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.

President—Walter Earle Russell, '93, Gorham, Me.

Secretary—Josiah Willard Taylor, '02, Turner, Me.

WESLEYAN ALUMNI ASSOCIATION OF CENTRAL NEW YORK.

President—Theodore E. Hancock, '71, Syracuse, N. Y.

Secretary—Lester Reuben Weeks, '06, 621 Onondaga St., Syracuse, N. Y.

WESLEYAN ALUMNI ASSOCIATION OF WASHINGTON, D. C.

President—Martin Augustine Knapp, '68, Washington, D. C.

Secretary—Edward William Thompson, '98, 1212 Fourteenth St., N. W., Washington, D. C.

WESLEYAN ALUMNI ASSOCIATION OF WESTERN PENNSYLVANIA.

President—Daniel Dorchester, '74, Pittsburg, Pa.

Secretary—Henry Boardman Powell, Jr., '06, Mellon National Bank, Pittsburg, Pa.

WESLEYAN ALUMNI ASSOCIATION OF EASTERN NEW YORK.

President—Ernest Loren Meritt, '91, Gloversville, N. Y.

Secretary—Arthur Harold Burdick, '99, 16 University Place, Schenectady, N. Y.

PHILADELPHIA YOUNG ALUMNI ASSOCIATION.

President—Harry Arthur Thompson, '93, Philadelphia, Pa.

EMPLOYMENT BUREAU.

An employment bureau is maintained in the office of the Secretary of the Faculty, for the purpose of securing positions as teachers for graduates of the college, and to provide opportunities for undergraduates to earn money towards paying their college expenses, either by work in Middletown during term time, or by work in Middletown or elsewhere during the summer vacation. Those who wish to avail themselves of the opportunity thus offered are invited to register; and the alumni and friends of the college are urgently requested to inform the Secretary of any vacancy coming to their notice which might be filled by a Wesleyan student or graduate. No fees are charged.



CALENDAR.

1909.

Sept. 30. Thursday, 9 A. M.—First term begins.

Nov. 24-27. Thanksgiving recess.

Dec. 22. Wednesday—First term ends.

CHRISTMAS RECESS.

1910.

Jan. 6. Thursday—Second term begins.

Jan. 10. Monday—Last day for presenting applications for winter special examinations.

Jan. 27. Thursday—Day of prayer for colleges—a holiday.

Feb. 8-21. Mid-year examinations.

Feb. 22. Tuesday—Washington's Birthday—a holiday.

Mar. 10. Thursday—Prize Debate.

Mar. 22. Tuesday—Second term ends.

SPRING RECESS.

Mar. 30. Wednesday—Third term begins.

April 2. Saturday—Last day for presenting Junior Exhibition essays.

April 4. Monday—Last day for presenting Olin Prize essays.

April 4. Monday—Last day for presenting applications for preliminary and special honors.

April 4. Monday—Last day for presenting applications for spring special examinations.

April 14. Thursday—Junior Exhibition.

May 16. Monday—Last day for presenting Joseph D. Weeks Prize essays.

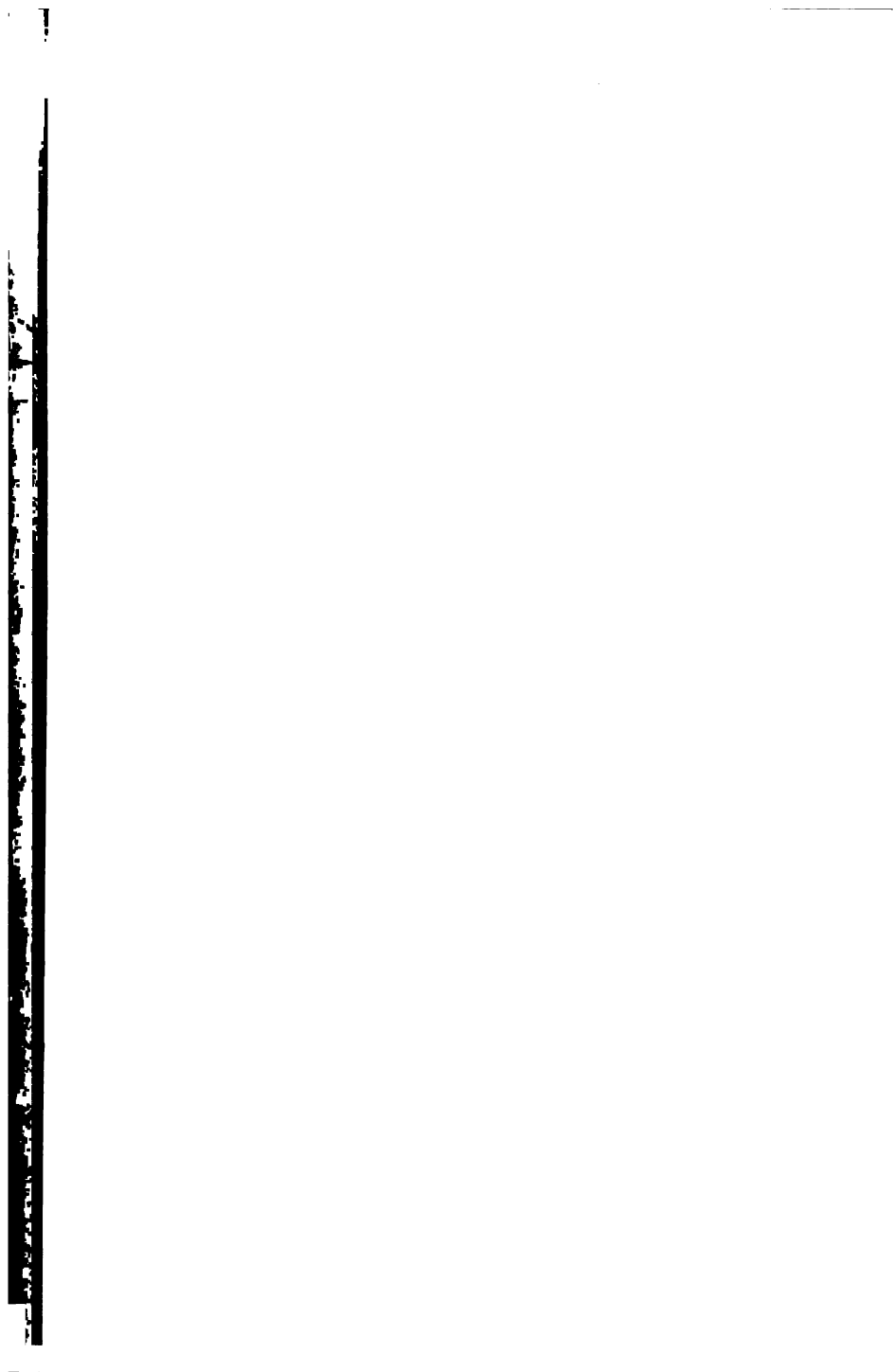
May 30. Monday—Memorial Day—a holiday.

May 31. Tuesday—Last day for presenting Harrington Prize essays.

June 10. Friday—Annual examinations begin.

June 18. Saturday—Last day for presenting special honor theses, and for special honor examinations.

June 18. Saturday—Last day for presenting Master's theses, and for examinations for the Master's degree.



INDEX.

	PAGE		PAGE
Abbreviations, - - -	- 28, 43	Der Deutsche Verein, - - -	96
Absence from college, - -	99, 101	Descriptive geometry, - -	77
from recitations, - -	98	Dining hall, - - -	104
Admission, Terms of, - -	30, 39	Diploma fees, - - -	101, 134
Alumni associations, - - -	142	Dormitory accommodations, -	102
Alumni Record, - - -	139	Dramatic association, - -	100
Apparatus, - - -	108	Economics, - - -	63
Astronomy, - - -	70, 107	Elective studies, - - -	29, 89, 91
Athletic Council, - - -	100	Electricity, - - -	75, 76
Athletics, - - -	100, 110	Employment bureau, - - -	144
Ayres prize, - - -	120	English language, - - -	58
Bachelor of Arts Course, -	29, 30, 91	English literature, - - -	56
Bachelor of Science Course, -	29, 30, 91	Ethics, - - -	69
Bacteriology, - - -	85	Ethnographical collections, -	113
Bible, English, - - -	70	Evidences of Christianity, -	69
Biology, - - -	83, 109	Evolution, - - -	85
Board, Cost of, - - -	102, 104	Examination groups, - - -	89
Botanical collections, - -	112, 114	Examinations, - - -	98
Botany, - - -	83	for admission, - - -	40
Buildings, New, - - -	105	Expenses, - - -	101
Bulletin, - - -	140	Faculty, - - -	10
Calendar, - - -	145	Committees of, - - -	15
Certificate, Admission by, -	41	Fees, Laboratory, - - -	101
Chapel, - - -	99	Diploma, - - -	101, 134
Chemistry, - - -	77, 109	French, - - -	53
Classical club, - - -	95	French club, - - -	95
Coins, Collection of, - -	113, 114	Geological collections, - -	112
College Entrance Examination		Geology, - - -	81
Board, - - -	40	German, - - -	50
Commencement appointments, -	125	German club, - - -	96
Committees, Faculty, - - -	15	Grades, - - -	97
Trustee, - - -	8	Graduate instruction, {	29, 47, 49, 53, 56, 58, 61, 66, 69, 77, 81, 83
Conditions, Entrance, - -	99	Graduate students, - - -	16
Courses, General, - - -	29, 43	Greek, - - -	47
Special, - - -	29, 39	Group system, - - -	92
required, Schedule of, -	91-93	Gymnasium, - - -	110
Crawford memorial fund, - -	108	Hebrew, - - -	50
Cryogenic laboratory, - -	109	Herbarium, - - -	112, 114
Daily program, - - -	86-87	History, - - -	62
Debate, - - -	58	Honors, Award of, - - -	131
Degrees, - - -	29, 132		
conferred, - - -	135-138		

	PAGE		PAGE
Honors, General, - - -	125, 130	Prizes, Award of, - - -	122
Preliminary, - 43, 47, 48, 125, 130		Psychology, - - -	66, 67, 108
Special, - - - - -	126	Publications, - - - - -	139
Italian, - - - - -	55	Public speaking, - - - - -	61
Junior Exhibition, - - -	124	Quota of studies, - - - - -	97
Laboratories, - - - - -	105, 108	Reading-rooms, - - - - -	107
Laboratory fees, - - - -	101	Recitations, Program of, - - -	86-88
La Société Française, - - -	95	Regents' diplomas, - - - - -	41
Latin, - - - - -	43	Registration, - - - - -	97
Lectures, Departmental, etc., - - -	94	Regulations, General, - - - -	97
Library, - - - - -	107	Religious services, - - - - -	99
Liquefaction of gases, - - - -	78	Required studies, - - - - -	29, 91-94
Loan fund, - - - - -	117	Rhetoric, - - - - -	58
Logic, - - - - -	66, 68	Romance languages, - - - - -	53
Machine shop, - - - - -	109	Rooms, - - - - -	102
Major studies, - - - - -	93	Scholarships, - - - - -	115
Mathematical models, - - - - -	110	Science and Religion, Relations of, -	70
Mathematics, - - - - -	70	Seventy-fifth anniversary, - - -	140
Mechanical drawing, - - - - -	77	Social science, - - - - -	65
Middletown Scientific Association, -	94	Sociology, - - - - -	63
Mineralogical collections, - - 112, 114		Spanish, - - - - -	56
Mineralogy, - - - - -	82	Special courses, - - - - -	29, 39
Museum, - - - - -	111	Special honors, - - - - -	126
Musical organizations, - - - -	100	Award of, - - - - -	131
Natural history collections, - - -	111	Student organizations, - - - - -	100
Necrology, - - - - -	141	Students, List of, - - - - -	16
Observatory, - - - - -	107	Studies, Selection of, - - - - -	91
Paleontology, - - - - -	82	Theism, - - - - -	69
Philosophy, - - - - -	66	Trustees, - - - - -	3
Physical geography, - - - - -	81	Committees of, - - - - -	8
Physics, - - - - -	74, 105, 108	Tuition, - - - - -	101
Physiology, - - - - -	84	Wesley bicentennial, - - - - -	139
Picture of the College, - - - -	140	Women, Admission of, - - - - -	42
Political economy, - - - - -	63	Expenses of, - - - - -	101, 102
Preliminary honors, 43, 47, 48, 125, 130		Y. M. C. A., - - - - -	99
Award of, - - - - -	131	Zoological collections, - - 111, 114	
Prizes, - - - - -	118	Zoology, - - - - -	84

5.78.73
W5

Vol. 4

JANUARY, 1911

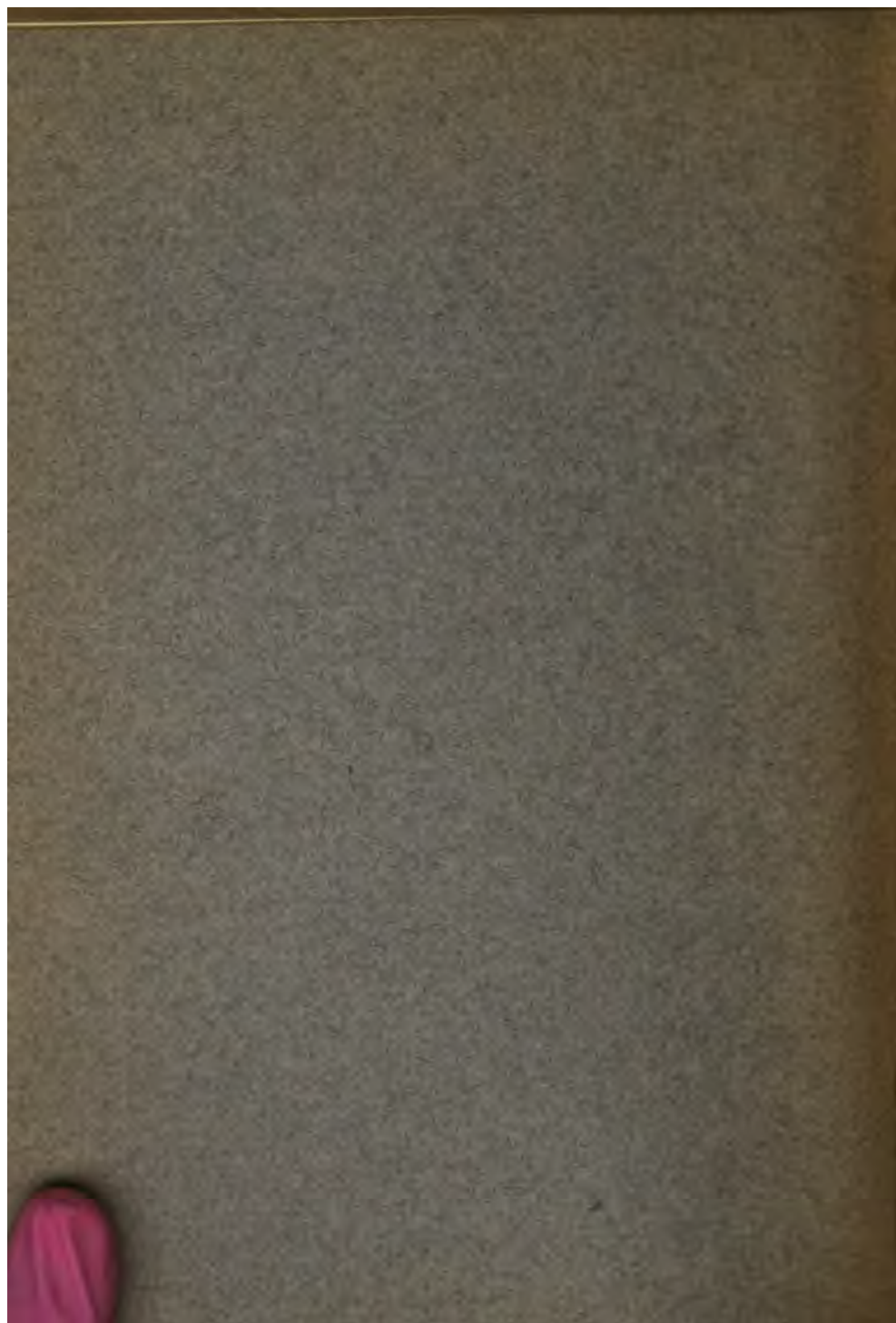
No. 4

—THE—
WESLEYAN UNIVERSITY
BULLETIN



CATALOGUE NUMBER
1910-1911

BRIDGEPORT, CONN.
PETER A. KING, PRINTER AND BINDER
1911.





CATALOGUE

OF

WESLEYAN UNIVERSITY

1910-1911



MIDDLETOWN, CONN.
MCMXI.

CATALOGUE

OF

WESLEYAN UNIVERSITY

1910-1911



MIDDLETOWN, CONN.
MCMXI

THE WESLEYAN UNIVERSITY BULLETIN

Published by the University four times a year in May, June, December, and January.
Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown
Connecticut, under the Act of Congress of July 16, 1894.

BOARD OF TRUSTEES.

HENRY CRUISE MURPHY INGRAHAM, LL. D., PRES.,
189 Montague St., Brooklyn, N. Y.

REV. DAVID GEORGE DOWNEY, D. D., SECRETARY,
57 Washington St., Chicago, Ill.

CLINTON DEWITT BURDICK, M. A., TREASURER,
175 Remsen St., Brooklyn, N. Y.

THE PRESIDENT OF THE UNIVERSITY,
(Member ex officio), Middletown.

TERM EXPIRES OCTOBER 1, 1911.

HON. DAVID WARD NORTHROP, M. A.,
Middletown.

CEPHAS BRAINERD ROGERS,
Meriden.

HON. JOHN EMORY ANDRUS, B. A.,
299 Broadway, New York, N. Y.

CHARLES GIBSON,
Albany, N. Y.

CLINTON DEWITT BURDICK, M. A.,
175 Remsen St., Brooklyn, N. Y.

REV. WILLIAM INGRAHAM HAVEN, D. D.,
Bible House, Astor Place, New York, N. Y.

HON. ARTHUR EUGENE SUTHERLAND, LL. D.,
Court House, Rochester, N. Y.

§ HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
189 Montague St., Brooklyn, N. Y.

§ GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

† REV. ABRAHAM JOHN PALMER, D. D.,
Milton, N. Y.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
203 Sumner Ave., Syracuse, N. Y.

TERM EXPIRES OCTOBER 1, 1912.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

HENRY CRUISE MURPHY INGRAHAM, LL. D.,
189 Montague St., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

* SAMUEL WOOD BOWNE.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, LL. D.,
Newport, R. I.

§ REV. DAVID GEORGE DOWNEY, D. D.,
57 Washington St., Chicago, Ill.

† WILLIAM PERRY BILLINGS,
98 S. River St., Wilkes-Barre, Pa.

† REV. WARREN LANNING HOAGLAND, D. D.,
629 Ridge St., Newark, N. J.

† REV. CHARLES EDWARD DAVIS, D. D.,
Wilbraham, Mass.

* Deceased.

WESLEYAN UNIVERSITY.

5

TERM EXPIRES OCTOBER 1, 1913.

CHARLES LEE ROCKWELL,
Meriden.

REV. AZEL WASHBURN HAZEN, D. D.,
Middletown.

WILLIAM EDWIN SESSIONS,
Bristol.

JOHN THOMAS PORTER,
Scranton, Pa.

WILLIAM HENRY BURROWS,
Middletown.

REUBEN NELSON BENNETT, B. A.,
307 Bennett Bldg., Wilkes-Barre, Pa.

§ HON. MARTIN AUGUSTINE KNAPP, LL.D.,
Washington, D. C.

§ THEODORE E. HANCOCK, LL.D.,
Syracuse, N. Y.

† REV. ALBERT PEARNE PALMER, M. A.,
Waterville, N. Y.

† REV. ELWELL ALEXANDER BISHOP, D. D.,
Montpelier, Vt.

TERM EXPIRES OCTOBER 1, 1914.

HON. PHINEAS CHAPMAN LOUNSBURY, LL.D.,
257 Broadway, New York, N. Y.

GEORGE SILAS COLEMAN, LL.D.,
Tribune Bldg., New York, N. Y.

JOHN EDGAR LEAYCRAFT,
311 West End Ave., New York, N. Y.

CYRUS DANIEL JONES,
Scranton, Pa.

WESLEYAN UNIVERSITY.

JOHN CHEESMAN CLARK, LL. B.,
34 Nassau St., New York, N. Y.

§ WEBSTER ROGERS WALKLEY, D. C. L.,
27 Murray St., New York, N. Y.

§ FREDERIC WILCOX CLARKE, B. S.,
118 South St., Boston, Mass.

† REV. FRANK MASON NORTH, D. D.,
150 Fifth Ave., New York, N. Y.

† REV. DAVID HOWARD TRIBOU, D. D.,
Bucksport, Me.

† REV. HOWARD ABBOTT CLIFFORD, M. A.,
Winthrop, Me.

† REV. EDWIN SLOAN TASKER, B. A.,
Tilton, N. H.

TERM EXPIRES OCTOBER 1, 1915.

REV. JOSEPH ELIJAH KING, PH. D., D. D.,
Fort Edward, N. Y.

REV. WILLIAM VALENTINE KELLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

HON. WATSON CARVOSSO SQUIRE, B. A.,
Seattle, Wash.

ALBERT RANDOLPH CRITTENDEN,
Middletown.

JOHN GRIBBEL,
1513 Race St., Philadelphia, Pa.

JAMES GARDNER SHEPHERD,
Scranton, Pa.

WILLIAM THAYER RICH,
200 High St., Boston, Mass.

§ STEPHEN HENRY OLIN, LL. D.,
34 Nassau St., New York, N. Y.

§ CHARLES SCOTT, M. A.,
Overbrook, Pa.

† REV. ANDREW JACKSON COULTAS, JR., D. D.,
103 Oak St., Fall River, Mass.

† REV. CHARLES OTIS JUDKINS, B. A.,
32 Bay St., Glens Falls, N. Y.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the first day of October following election.

COMMITTEES OF THE BOARD OF TRUSTEES.

GENERAL EXECUTIVE COMMITTEE.THE PRESIDENT OF THE UNIVERSITY (*Ex officio*).

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

WILLIAM HENRY BURROWS.

* SAMUEL WOOD BOWNE.

HENRY CRUISE MURPHY INGRAHAM, LL. D.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.

STEPHEN HENRY OLIN, LL. D.

REV. FRANK MASON NORTH, D. D.

HON. GEORGE GREENWOOD REYNOLDS, LL. D.

LOCAL EXECUTIVE COMMITTEE.THE PRESIDENT OF THE UNIVERSITY (*Ex officio*).

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

CEPHAS BRAINERD ROGERS.

HON. WESLEY ULYSSES PEARNE, B. A.

WILLIAM HENRY BURROWS.

* Deceased.

FINANCE COMMITTEE.

HENRY CRUISE MURPHY INGRAHAM, LL. D.
HON. GEORGE GREENWOOD REYNOLDS, LL. D.
CHARLES LEE ROCKWELL.
CLINTON DEWITT BURDICK, M. A.
JAMES NOEL BROWN.

COMMITTEE ON THE BOARD OF INSTRUCTION.

REV. WILLIAM VALENTINE KELLEY, D. D., LL. D.
GEORGE SILAS COLEMAN, LL. D.
STEPHEN HENRY OLIN, LL. D.
REV. JAMES MONROE BUCKLEY, D. D., LL. D.
CLINTON DEWITT BURDICK, M. A.
REV. FRANK MASON NORTH, D. D.

VISITING COMMITTEE.

REV. WILLIAM INGRAHAM HAVEN, D. D.
REV. ELWELL ALEXANDER BISHOP, D. D.
REV. CHARLES EDWARD DAVIS, D. D.

FACULTY.



WILLIAM ARNOLD SHANKLIN, L. H. D., LL. D.,
PRESIDENT.

UPON THE A. V. STOUT FOUNDATION.
(3 S. C.) 325 High St.

JOHN MONROE VAN VLECK, LL. D.,
FISK PROFESSOR OF MATHEMATICS AND ASTRONOMY, *Emeritus.*
168 Church St.

WILLIAM NORTH RICE, PH. D., LL. D.,
O. I. SENEY PROFESSOR OF GEOLOGY.
(11 J. H.) 31 College Place.

CALEB THOMAS WINCHESTER, L. H. D.,
OLIN PROFESSOR OF ENGLISH LITERATURE.
(21 F. H.) 342 High St.

BRADFORD PAUL RAYMOND, D. D., LL. D.,
WAITE PROFESSOR OF ETHICS AND BIBLICAL LITERATURE, *Emeritus.*
170 High Street.

MORRIS BARKER CRAWFORD, M. A.,
FOSS PROFESSOR OF PHYSICS.
(38 S. L.) 197 High St.

HERBERT WILLIAM CONN, PH. D.,
DANIEL AYRES PROFESSOR OF BIOLOGY.
(5 J. H.) 167 High St.

ANDREW CAMPBELL ARMSTRONG, PH. D.,
WILLIAM GRIFFIN PROFESSOR OF PHILOSOPHY.
(26 F. H.) 166 High St.

WESLEYAN UNIVERSITY.

I I

WILLIAM EDWARD MEAD, PH. D.,

PROFESSOR OF THE ENGLISH LANGUAGE.

(27 F. H.) 165 Broad St.

KARL POMEROY HARRINGTON, M. A.,

ROBERT RICH PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.

(30 F. H.) 203 High St.

WILLIAM JOHN JAMES, M. A.,

LIBRARIAN.

(Library) 162 Church St.

FRANK WALTER NICOLSON, M. A.,

SECRETARY OF THE FACULTY, AND ASSOCIATE PROFESSOR OF LATIN.

(1 S. C.) 311 High St.

WALTER PARKE BRADLEY, PH. D.,

E. B. NYE PROFESSOR OF CHEMISTRY.

(2 J. H.) 256 College St.

OSCAR KUHN, L. H. D.,

HOLLIS PROFESSOR OF ROMANCE LANGUAGES.

(38 F. H.) 158 High St.

WILLARD CLARK FISHER, B. A.,

PROFESSOR OF ECONOMICS AND SOCIAL SCIENCE.

(33 F. H.) 25 College Place.

WILLIAM ARTHUR HEIDEL, PH. D.,

JANE A. SENEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.

(35 F. H.) 41 Lawn Ave.

RAYMOND DODGE, PH. D.,

J. W. BEACH PROFESSOR OF PSYCHOLOGY.

(22 F. H.) 107 Lawn Ave.

WALTER GUYTON CADY, PH. D.,

CHARLOTTE AUGUSTA AYRES PROFESSOR OF PHYSICS.

(14 S. L.) 77 High St.

WESLEYAN UNIVERSITY.

ROBERT HERNDON FIFE, JR., PH. D.,

MARCUS L. TAFT PROFESSOR OF THE GERMAN LANGUAGE AND LITERATURE.

(34 F. H.) 240 College St.

GEORGE MATTHEW DUTCHER, PH. D.,

HEDDING PROFESSOR OF HISTORY.

(16 F. H.) 313 William St.

JOSEPH WILLIAM HEWITT, PH. D.,

ASSOCIATE PROFESSOR OF LATIN AND GREEK.

310 William St.

LEROY ALBERT HOWLAND, PH. D.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

51 Wyllys St.

BURTON HOWARD CAMP, M. A.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

41 Brainerd Ave.

CLARK SMITH BEARDSLEE, D. D.,

LECTURER IN ETHICS.

138 Collins St., Hartford.

ARTHUR LINCOLN GILLET, D. D.,

LECTURER IN EVIDENCES OF CHRISTIANITY.

1 Wethersfield Ave., Hartford.

JOHN WESLEY WETZEL, PH. B.,

INSTRUCTOR IN PUBLIC SPEAKING.

16 Dwight St., New Haven.

JOHN WILLIAM TURRENTINE, PH. D.,

INSTRUCTOR IN CHEMISTRY.

6 S. C.

RAEMER REX RENSHAW, PH. D.,

INSTRUCTOR IN CHEMISTRY.

(1 J. H.) 156 High St.

WESLEYAN UNIVERSITY:

13

LOUIS BLISS GILLET, B. A.,

INSTRUCTOR IN ENGLISH.

13 S. C.

DAVID DAY WHITNEY, PH. D.,

INSTRUCTOR IN BIOLOGY, AND ACTING CURATOR OF THE MUSEUM.

12 S. C.

PAUL HOLROYD CURTS, PH. D.,

INSTRUCTOR IN GERMAN.

10 E. H.

ALEXANDER CHILSON STEVENS, M. E.,

INSTRUCTOR IN DESCRIPTIVE GEOMETRY, AND ASSISTANT IN PHYSICS.

(21 S. L.) 9 Brainerd Ave.

JOHN KENYON LAMOND, PH. D.,

INSTRUCTOR IN MATHEMATICS.

5 Stowe Ave.

CHARLES EDWARD GRAVES, B. A.,

INSTRUCTOR IN ROMANCE LANGUAGES.

9 E. H.

HOWARD ROLAND REITER, M. A.,

DIRECTOR OF THE GYMNASIUM.

(Gymnasium) Home Ave.

EDITH LEONA EASTMAN, B. A.,

ASSISTANT LIBRARIAN.

178 Church St.

OSCAR FRED HEDENBURG, B. A.,

ASSISTANT IN CHEMISTRY.

11 E. H.

RALPH EDGAR GOULD, B. S.,

ASSISTANT IN PHYSICS.

12 E. H.

ERNEST FRANCIS AMY, B. A.,

ASSISTANT IN ENGLISH.

14 E. H.

COMMITTEES OF THE FACULTY.

COURSE OF STUDY.

THE PRESIDENT, PROFESSORS RICE,
WINCHESTER, ARMSTRONG, HARRINGTON, BRADLEY, KUENS.

GRADUATE STUDY.

PROFESSORS CRAWFORD, ARMSTRONG, HOWLAND.

ADMINISTRATION.

THE PRESIDENT, PROFESSOR RICE, MR. JAMES,
PROFESSORS NICOLSON, FISHER.

CONFERENCE WITH STUDENTS.

THE PRESIDENT, PROFESSORS RICE, CONN, DODGE,
FIFE.

CATALOGUE.

PROFESSOR NICOLSON (Editor); PROFESSORS CADY, CAMP.

BULLETIN.

PROFESSORS WINCHESTER, MEAD, DUTCHER, HEWITT.

ATHLETIC AND MUSICAL ORGANIZATIONS.

PROFESSORS NICOLSON, BRADLEY, FIFE.

PUBLIC LITERARY EXERCISES.

PROFESSORS WINCHESTER, MEAD, FISHER, DUTCHER,
MR. WETZEL.

SPECIAL HONORS.

PROFESSORS BRADLEY, HEIDEL, DODGE, CADY.

LOANS; EVANS AND LOVELAND SCHOLARSHIPS.

THE PRESIDENT, MR. JAMES, PROFESSOR NICOLSON.

STUDENTS.

GRADUATE STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Ernest Francis Amy, B. A., ENGLISH LITERATURE, ENGLISH LANGUAGE.	<i>E. Bangor, Pa.</i>	14 E..H.
Henry Gonsalves, B. S., PHYSICS.	<i>Middletown.</i>	64 Pine St.
Clarence Garland Gould, B. A., (Colby College), CHEMISTRY.	<i>Middletown.</i>	240 High St.
Ralph Edgar Gould, B. S., (Tufts College), MATHEMATICS.	<i>Boston, Mass.</i>	12 E. H.
Jacob Henry Oehlhoff, B. A., (St. Stephen's College), ENGLISH LITERATURE.	<i>New Providence, N. J. Berkeley Divinity School.</i>	
George Machin Stockdale, B. A., PHILOSOPHY, ENGLISH LITERATURE.	<i>Flushing, N. Y. A. Δ. Φ. House.</i>	
Clara Catherine Angus, B. A., ENGLISH LANGUAGE.	<i>Hartford.</i>	239 College St.
Margaret Crawford, B. A., HISTORY, ENGLISH LITERATURE.	<i>Middletown.</i>	197 High St.
Johanna Maria Elizabeth Zeilitz, B. A., LATIN, GREEK.	<i>Middletown.</i>	306 William St.

SENIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
William David Anderson,	<i>Plainfield, N. J.</i>	Δ. T. Δ. House.
Francis David Andrews,	<i>Ellenville, N. Y.</i>	Δ. T. Δ. House.
John Wesley Edward Bowen, Jr.,	<i>South Atlanta, Ga.</i>	41 N. C.
Frank Chaplain Brodhead,	<i>Philadelphia, Pa.</i>	Υ. Υ. House.
Robert Warren Conover,	<i>Riverside, N. J.</i>	Foss House.
Wilfred Lowrey Cook,	<i>Newark, N. J.</i>	B. Θ. Π. House.
† Frank Twitchell Davis,	<i>Middletown.</i>	Δ. K. E. House.
Wesley Morton Davis,	<i>Kingston, Pa.</i>	Υ. Υ. House.
Abraham Lincoln Fretz,	<i>Perkasie, Pa.</i>	A. Δ. Φ. House.
Harold Putnam Frost,	<i>Waterville, Me.</i>	Eclectic House.
Franklin Seymour Garman,	<i>Haddon Heights, N. J.</i>	Eclectic House.
Harrison Claude Hardy,	<i>New Milford, Pa.</i>	B. Θ. Π. House.
Vincent Weaver Jones,	<i>Brooklyn, N. Y.</i>	Υ. Υ. House.
William Crawford Judd,	<i>Bristol.</i>	9 O. H.
Willard Potter Lewis,	<i>Pottsville, Pa.</i>	Foss House.
Bertram Malcolm McBride,	<i>Brownsville, Vt.</i>	B. Θ. Π. House.
George Cress Mahle,	<i>Peoria, Ill.</i>	B. Θ. Π. House.
† Burton Leroy Mallory,	<i>East Branch, N. Y.</i>	Δ. T. Δ. House.
† Frederic Elmer Mansfield,	<i>Middletown.</i>	15 O. H.
† Frank Raymond Marsh,	<i>Davenport, Ia.</i>	10 O. H.
Leonard Amby Maynard,	<i>Hartford, N. Y.</i>	Δ. T. Δ. House.
William Randolph Montgomery,	<i>Stamford.</i>	Υ. Υ. House.
Joe Morningstar, Jr.,	<i>New York, N. Y.</i>	Δ. K. E. House.
Fales Newhall,	<i>Somerville, Mass.</i>	Eclectic House.
Constantine Marius Panunzio,	<i>Molfetta, Italy.</i>	7 S. C.
William Edwin Parker,	<i>Danvers, Mass.</i>	B. Θ. Π. House.
† Elwyn Clark Parlin,	<i>S. Framingham, Mass.</i>	Foss House.
† Harold Van Houten Proskey,	<i>Paterson, N. J.</i>	B. Θ. Π. House.
Howard William Reynolds,	<i>Wassaic, N. Y.</i>	Eclectic House.
Wesley Everett Rich,	<i>Newton, Mass.</i>	Δ. K. E. House.
Franklin Robbins,	<i>Detroit, Mich.</i>	Υ. Υ. House.
† Walter Edmond Robson,	<i>Hoosick Falls, N. Y.</i>	Δ. K. E. House.

NAMES.	RESIDENCES.	ROOMS.
Charles Morton Sherburne,	<i>Montpelier, Vt.</i>	<i>Y. Y. House.</i>
† William George Shute,	<i>Meriden.</i>	<i>Foss House.</i>
James Raymond Simmons,	<i>Hobart, N. Y.</i>	<i>Δ. K. E. House.</i>
Harry Seger Slifer,	<i>Greenfield, Ind.</i>	<i>X. Y. Lodge.</i>
Frank Lewis Soule,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
William David Steckley,	<i>Vandorf, Ont., Can.</i>	<i>9 O. H.</i>
Harold Ackerman Storms,	<i>Dobbs Ferry, N. Y.</i>	<i>15 O. H.</i>
Andrew Reed Sutherland,	<i>Rochester, N. Y.</i>	<i>Eclectic House.</i>
Ralph Schofield Thompson,	<i>Syracuse, N. Y.</i>	<i>Α. Δ. Φ. House.</i>
† Le Roy Wood,	<i>Nutley, N. J.</i>	<i>Foss House.</i>
Alling Woodruff,	<i>Orange.</i>	<i>Α. Δ. Φ. House.</i>
† Arthur Moulton Wright,	<i>Oakfield, N. Y.</i>	<i>Eclectic House.</i>
Henry Merritt Wriston,	<i>Boston, Mass.</i>	<i>Δ. T. Δ. House.</i>
Katharine Strong Bielby,	<i>Middletown.</i>	<i>239 College St.</i>
† Margaret Anna Dutting,	<i>Middletown.</i>	<i>8 Butternut St.</i>
Theresa Louise Say,	<i>Waterbury.</i>	<i>217 College St.</i>
Ruth Elizabeth Snow,	<i>Middletown.</i>	<i>227 Pearl St.</i>

JUNIOR CLASS.

NAMES.	RESIDENCES.	ROOMS.
Morse Shepard Allen,	<i>Brooklyn, N. Y.</i>	<i>Eclectic House.</i>
Harold Graham Anderson,	<i>Mt. Vernon, N. Y.</i>	<i>Y. Y. House.</i>
Herbert Soley Bain,	<i>Rexford Flats, N. Y.</i>	<i>Foss House.</i>
Harry William Bell,	<i>Glen Head, N. Y.</i>	<i>Eclectic House.</i>
Patrick Edward Bransfield,	<i>Portland.</i>	<i>Portland.</i>
† George Treat Bristol,	<i>Brooklyn, N. Y.</i>	<i>A. Δ. Φ. House.</i>
George Landon Buck,	<i>New London.</i>	<i>Δ. K. E. House.</i>
Fred Waters Burnham,	<i>Erie, Pa.</i>	<i>A. Δ. Φ. House.</i>
† Frank Anson Churchill,	<i>South Farms.</i>	<i>South Farms.</i>
Harold Payson Cobb,	<i>Searsmont, Me.</i>	<i>Foss House.</i>
Carl Scott Coit,	<i>Lawrence, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† Heth Griffin Coons,	<i>Stamford, N. Y.</i>	<i>B. Θ. Π. House.</i>
† Ralph Lockwood Crandell,	<i>Freeport, N. Y.</i>	<i>Δ. K. E. House.</i>
† Stanley Benjamin Crowther,	<i>Springfield, Mass.</i>	<i>B. Θ. Π. House.</i>
† Robert Garrett DeBow,	<i>Philadelphia, Pa.</i>	<i>A. Δ. Φ. House.</i>
Raymond Haskins Drake,	<i>Tilton, N. H.</i>	<i>3 O. H.</i>
Richard William Eaton,	<i>Westfield, Mass.</i>	<i>Δ. K. E. House.</i>
Edward Grove Fletcher,	<i>Providence, R. I.</i>	<i>Δ. T. Δ. House.</i>
Louis Carter Flocken,	<i>Willimantic.</i>	<i>19 O. H.</i>
Robert Hinckley Flocken,	<i>Willimantic.</i>	<i>14 O. H.</i>
† Benjamin William Grant,	<i>Beverly, Mass.</i>	<i>171 Mt. Vernon St.</i>
† Charles Emerson Grim,	<i>Brooklyn, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† Frank Mapes Ham,	<i>Westfield, N. J.</i>	<i>B. Θ. Π. House.</i>
John Baker Hanna,	<i>Cambridge, N. Y.</i>	<i>Δ. T. Δ. House.</i>
† Carl Clifford Harvey,	<i>Lower Cabot, Vt.</i>	<i>Foss House.</i>
Anton Frederick Haus,	<i>Elizabeth, N. J.</i>	<i>B. Θ. Π. House.</i>
† Harold Morton Hine,	<i>New Haven.</i>	<i>Y. Y. House.</i>
† Raymond Frederick Hubbard,	<i>Middletown.</i>	<i>R. F. D. No. 1.</i>
Henry Strobel Jacobs,	<i>Altoona, Pa.</i>	<i>A. Δ. Φ. House.</i>
David Dallas Jones,	<i>Greensboro, N. C.</i>	<i>65 N. C.</i>
Edgar Allan Jones,	<i>Wilkes-Barre, Pa.</i>	<i>Y. Y. House.</i>
Griffith Lloyd Jones,	<i>Utica, N. Y.</i>	<i>Y. Y. House.</i>
Hubert Darrell Jones,	<i>West Orange, N. J.</i>	<i>Y. Y. House.</i>
Richard Pratt Jones,	<i>South Windsor.</i>	<i>Δ. K. E. House.</i>

NAMES.	RESIDENCES.	ROOMS.
† James Herman Klein,	<i>New York, N. Y.</i>	96 N. C.
Henry Virginius Leonard,	<i>New York, N. Y.</i>	A. Δ. Φ. House.
† Harry Fletcher Lewis,	<i>Pottsville, Pa.</i>	Foss House.
Lester Hobart Libby,	<i>Gorham, Me.</i>	7 S. C.
John Rhodes Lindemuth,	<i>York, Pa.</i>	Δ. T. Δ. House.
Thomas Ayres MacClenthen,	<i>Watertown, N. Y.</i>	Ψ. Y. House.
Edward Ball Miller,	<i>Madison, N. J.</i>	Δ. T. Δ. House.
William Wesley Miller,	<i>Ransom, Pa.</i>	B. Θ. Π. House.
† Carl Howard Mitchell,	<i>Portland, Me.</i>	Δ. T. Δ. House.
† Raymond Lee Moore,	<i>S. Brownsville, Pa.</i>	Eclectic House.
† Donald Ellsworth Parker,	<i>Wallingford.</i>	B. Θ. Π. House.
† Jack Cutter Parker,	<i>Danvers, Mass.</i>	B. Θ. Π. House.
† Edward Henry Perkins,	<i>Tilton, N. H.</i>	Foss House.
† Harry Leroy Reynolds,	<i>Stamford.</i>	X. Ψ. Lodge.
† William Wesley Reynolds,	<i>Brookline, Mass.</i>	Eclectic House.
† John Levi Rice,	<i>New Haven.</i>	X. Ψ. Lodge.
† Andrew Raymond Robertson,	<i>Springfield, Mass.</i>	Δ. T. Δ. House.
Lawrence Elwood Rothrock,	<i>Ackermanville, Pa.</i>	Eclectic House.
Richard Sutton Rust,	<i>Cincinnati, O.</i>	Ψ. Y. House.
William Warder Shepherd,	<i>Oakwood, Ky.</i>	13 Cross St.
Herbert Lincoln Simms,	<i>Braintree, Mass.</i>	Δ. K. E. House.
Louis Sylvester Staples,	<i>Gardiner, Me.</i>	Foss House.
Robert Victor Story,	<i>Taunton, Mass.</i>	11 O. H.
Irving Gates Streightoff,	<i>Brooklyn, N. Y.</i>	Foss House.
† Clarence Allen Strout,	<i>Millbridge, Me.</i>	11 O. H.
† Fred Wilbur Tanner,	<i>Warsaw, N. Y.</i>	14 O. H.
Maurice Eugene Thrasher,	<i>Newton Lower Falls, Mass.</i>	Δ. K. E. House.
Arthur Harder Van Voris,	<i>Cobleskill, N. Y.</i>	X. Ψ. Lodge.
Edgar Watters Wallis,	<i>Ashley, Pa.</i>	B. Θ. Π. House.
Robert Williams,	<i>Sharon, Mass.</i>	Foss House.
Harold Clark Wilson,	<i>Freeport, N. Y.</i>	B. Θ. Π. House.
William Miller Winans, Jr.,	<i>Brooklyn, N. Y.</i>	A. Δ. Φ. House.
Faith Bonfoey,	<i>Middletown.</i>	187 Court St.
Mildred Webster Flower,	<i>Putnam.</i>	239 College St.
Hester Wilson Reynolds,	<i>Middletown.</i>	158 South Main St.
Amy Sheldon,	<i>Middletown.</i>	34 Fountain Ave.
Helen Chandler Willis,	<i>Middletown.</i>	360 Washington St.

SOPHOMORE CLASS.

NAMES.	RESIDENCES.	ROOMS.
Clarence Everett Bacon,	<i>Middletown.</i>	<i>Y. Y. House.</i>
† Clarence Alvin Bengtson,	<i>Middletown.</i>	<i>210 Pearl St.</i>
Earl Henry Bennett,	<i>Binghamton, N. Y.</i>	<i>B. O. H. House.</i>
† Miller Robert Adolph Bernhard,	<i>Rochester, N. Y.</i>	<i>Eclectic House.</i>
† Harold Blauvelt,	<i>New York, N. Y.</i>	<i>77 N. C.</i>
Raymond Voorhees Brokaw,	<i>Plainfield, N. J.</i>	<i>44 N. C.</i>
Abram Breneman Bruner,	<i>Columbia, Pa.</i>	<i>A. Δ. Φ. House.</i>
Henry Mullison Bruner,	<i>Columbia, Pa.</i>	<i>A. Δ. Φ. House.</i>
† Alwyn Jeremiah Buell,	<i>Madison.</i>	<i>276 College St.</i>
Paul Burt,	<i>Brooklyn, N. Y.</i>	<i>48 N. C.</i>
John William Busch,	<i>Newark, N. J.</i>	<i>15 E. H.</i>
Walter Thomas Carnall,	<i>Colorado Springs, Col.</i>	<i>Δ. T. Δ. House.</i>
Harold King Chadwick,	<i>Ocean Grove, N. J.</i>	<i>44 N. C.</i>
Albert Merwin Clark,	<i>Mt. Vernon, N. Y.</i>	<i>48 N. C.</i>
Eugene Shepard Clark,	<i>Windsor, Vt.</i>	<i>71 N. C.</i>
G. Ronald Clark,	<i>Scranton, Pa.</i>	<i>101 N. C.</i>
Densley Payne Clary,	<i>Westfield, Mass.</i>	<i>14 O. H.</i>
† Theodore Foster Comstock,	<i>Montclair, N. J.</i>	<i>X. Y. Lodge.</i>
Henry Hitt Crane,	<i>Middletown.</i>	<i>157 High St.</i>
† George Grevatt Davidson,	<i>New York, N. Y.</i>	<i>Δ. K. E. House.</i>
William Francis Davis, Jr.,	<i>South Manchester.</i>	<i>3 O. H.</i>
† Leonel Aldric DeMore,	<i>East Berlin.</i>	<i>77 High Street.</i>
Alan Lee Dodd,	<i>Shelton.</i>	<i>16 O. H.</i>
Duncan Flynn Dodd,	<i>Shelton.</i>	<i>16 O. H.</i>
† Edgar Vincent Durling,	<i>Brooklyn, N. Y.</i>	<i>Y. Y. House.</i>
† Harold De Yoe Dyke,	<i>Syracuse, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† John Goldsborough Easton,	<i>Mt. Vernon, N. Y.</i>	<i>X. Y. Lodge.</i>
John Adams Eldridge,	<i>Washington, D. C.</i>	<i>317 William St.</i>
Harold Underwood Faulkner,	<i>Madison, N. J.</i>	<i>Δ. T. Δ. House.</i>
Haynes Harold Fellows,	<i>Troy, N. Y.</i>	<i>71 N. C.</i>
Harry Clinton France,	<i>Seward, N. Y.</i>	<i>69 N. C.</i>
Erlund Kenneth French,	<i>Dorchester, Mass.</i>	<i>67 N. C.</i>

NAMES.	RESIDENCES.	ROOMS.
† Raymond Silas Gibbs,	<i>Belvidere, N. J.</i>	Y. Y. House.
Waldo Pierpont Gillies,	<i>East Norwalk.</i>	Y. Y. House.
† Charles Albert Goodwin,	<i>Waterville, Me.</i>	2 O. H.
Russell Lowell Gould,	<i>Bayonne, N. J.</i>	X. Y. Lodge.
Arthur Stanley Hancock,	<i>New Britain.</i>	Δ. T. Δ. House.
† Wesley Wallace Hanford,	<i>Oneonta, N. Y.</i>	317 William St.
† Alfred Perego Harris,	<i>Montclair, N. J.</i>	Eclectic House.
† David Charles Barrett Harvey,	<i>Asbury Park, N. J.</i>	Y. Y. House.
George Lansing Harvey,	<i>Washington, D. C.</i>	Y. Y. House.
† Fred Stillman Hastings,	<i>Troy, N. Y.</i>	59 N. C.
† Edward Payson Hayward,	<i>Middletown.</i>	288 College St.
Raymond Vincent Hayward,	<i>Skowhegan, Me.</i>	2 O. H.
George William Henry,	<i>Oswego, N. Y.</i>	17 E. H.
Carl Kempton Hill,	<i>Morristown, Tenn.</i>	Eclectic House.
William Greene Howells,	<i>Upper Montclair, N. J.</i>	X. Y. Lodge.
Edwin Earle Hoyt,	<i>Ridgefield.</i>	48 N. C.
Frank Charles Huntington,	<i>Oneonta, N. Y.</i>	46 N. C.
Walter Thomas James,	<i>Middletown.</i>	Y. Y. House.
Edward Henry Jones, Jr.,	<i>Newark, N. J.</i>	64 N. C.
Harold Lester Knapp,	<i>Greenwich.</i>	38 N. C.
Robert Irving Laggren,	<i>Elizabeth, N. J.</i>	Y. Y. House.
Howard Seavoy Leach,	<i>Penobscot, Me.</i>	1 N. C.
† William Payne Lewis,	<i>Block Island, R. I.</i>	71 N. C.
† Benjamin Luntz,	<i>East Hampton.</i>	39 N. C.
Ira Raymond Lutz,	<i>Reading, Pa.</i>	39 N. C.
† Edward John McCaffrey,	<i>Dorchester, Mass.</i>	Gymnasium.
William Dudley McLarren,	<i>Osceola Mills, Pa.</i>	A. Δ. Φ. House.
† David Wallace MacMullen,	<i>New York, N. Y.</i>	32 N. C.
† Harold Bruce MacMullen,	<i>New York, N. Y.</i>	32 N. C.
Cyrus Wesley Marshall,	<i>Baltimore, Md.</i>	16 E. H.
† John Paul Maynard,	<i>New Haven.</i>	Eclectic House.
† DeWitt Hiram Merriam,	<i>Detroit, Mich.</i>	Y. Y. House.
† James Alexander Morton,	<i>New Haven.</i>	15 N. C.
John Desmond Murphy,	<i>Norwich.</i>	80 N. C.
Samuel Wilson Murphy,	<i>Brooklyn, N. Y.</i>	Δ. K. E. House.
Frederick Buckley Newell,	<i>Hartford.</i>	77 N. C.
† Ruthvan Beebe Nichols,	<i>Jacksonville, Ill.</i>	Δ. T. Δ. House.
Martin O. Olsen,	<i>Brooklyn, N. Y.</i>	79 Washington St.

NAMES.	RESIDENCES.	ROOMS.
† James Harold Parkinson,	<i>Jersey City, N. J.</i>	<i>Eclectic House.</i>
Thorold Ward Pell,	<i>Newark, N. J.</i>	46 N. C.
Lloyd Merriam Perry,	<i>West Barrington, R. I.</i>	<i>Foss House.</i>
† Carl Clough Persons,	<i>Maynard, Mass.</i>	59 N. C.
† Winfred King Petigrue,	<i>Oswego, N. Y.</i>	† T. House.
† Lewis Buchanan Piper,	<i>Nyack, N. Y.</i>	30 N. C.
† Raymond Thornton Potter,	<i>Ellenville, N. Y.</i>	Δ. T. Δ. House.
† Edmund Eugene Prescott,	<i>Liberty, Me.</i>	<i>Foss House.</i>
† Joseph Charles Quirk,	<i>New York, N. Y.</i>	† T. House.
John Reeder Reeves,	<i>New Brunswick, N. J.</i>	89 N. C.
Lloyd Preston Rice,	<i>Granby.</i>	Δ. T. Δ. House.
† Harold Blake Robertson,	<i>New York, N. Y.</i>	79 N. C.
Joseph William Rowe,	<i>Portland, Me.</i>	Δ. T. Δ. House
† Richard Malcolm Sills,	<i>Mt. Vernon, N. Y.</i>	X. †. Lodge.
Veo Fuller Small,	<i>Rumford, Me.</i>	<i>Eclectic House.</i>
† Clarence Bruce Smith, Jr.,	<i>Brooklyn, N. Y.</i>	Δ. T. Δ. House.
† James Esmond Stiles,	<i>Freeport, N. Y.</i>	13 N. C.
† Harvey Allen Strong,	<i>Laurens, N. Y.</i>	69 N. C.
Spencer Allen Studwell,	<i>Greenwich.</i>	38 N. C.
George Greely Summerson,	<i>Coventry, N. Y.</i>	101 N. C.
Randall Jay Thurrell,	<i>Portland, Me.</i>	B. Θ. Π. House.
Robert Leonard Tucker,	<i>Westfield, Mass.</i>	188 Church St.
Robert Foster Volentine,	<i>Brooklyn, N. Y.</i>	68 Lawn Ave.
† Edward Couch Vollmer,	<i>Brooklyn, N. Y.</i>	A. Δ. Φ. House.
Lowell Walcutt,	<i>Montclair, N. J.</i>	B. Θ. Π. House.
† Ralph Foster Weld,	<i>Round Lake, N. Y.</i>	67 N. C.
† James Isaac Wendell,	<i>Newark, N. J.</i>	276 College St.
Harold Ewing Witman,	<i>Berwick, Pa.</i>	Δ. K. E. House.
Thomas Adamson Wood,	<i>Bertha, O.</i>	13 Cross St.
William Colcord Woods,	<i>Orono, Me.</i>	X. †. Lodge.
† Herbert Brown Wright,	<i>New York, N. Y.</i>	Δ. K. E. House.

FRESHMAN CLASS.

NAMES.	RESIDENCES.	ROOMS.
Alonzo Clark Allen,	<i>Gibbstown, N. J.</i>	<i>317 William St.</i>
Vincent Blake Allison,	<i>Boston, Mass.</i>	<i>240 High St.</i>
John Henry Amy,	<i>East Bangor, Pa.</i>	95 N. C.
† Mark Andrews,	<i>Birmingham, Ala.</i>	81 N. C.
† Hugh Arthur Beaton, Jr.,	<i>Troy, N. Y.</i>	94 N. C.
Albert Edward Beebe,	<i>Stepney Depot.</i>	<i>79 Washington St.</i>
Noel Edgar Bensinger,	<i>Auburn, N. Y.</i>	29 N. C.
Edward Wayt Bishop,	<i>New York, N. Y.</i>	99 N. C.
† Ralph Chesney Bishop,	<i>Glyndon, Md.</i>	61 N. C.
John Earle Blossom,	<i>Hawley, Pa.</i>	<i>305 William St.</i>
† George Theron Blydenburgh,	<i>Chester Park, N. Y.</i>	<i>317 William St.</i>
Raymond Tostevin Bond,	<i>Richmond Hill, N. Y.</i>	<i>317 William St.</i>
† Ralph Ira Booth,	<i>Ellenville, N. Y.</i>	57 N. C.
† George Swart Borst,	<i>Oneonta, N. Y.</i>	X. ♀. Lodge.
† Percy J. Boyce,	<i>Clifton Park, N. Y.</i>	<i>317 William St.</i>
Oliver Russell Brooks,	<i>Elizabeth, N. J.</i>	9 N. C.
Robert Coleman Brown,	<i>Elmira, N. Y.</i>	51 N. C.
Wallace John Brymner,	<i>Springfield, Mass.</i>	56 N. C.
Samuel Harold Buck,	<i>New London.</i>	30 N. C.
† Henry Spencer Burtis,	<i>Trenton, N. J.</i>	6 O. H.
William Warren Carman, Jr.,	<i>Summit, N. J.</i>	12 N. C.
† Frank Bonyman Cawley,	<i>Peabody, Mass.</i>	23 N. C.
William George Chanter,	<i>Detroit, Mich.</i>	4 N. C.
† Ernest Putnam Clark,	<i>Auburndale, Mass.</i>	86 N. C.
Everett William Clark,	<i>Melrose, Mass.</i>	1 O. H.
Silas Skidmore Clark,	<i>Mt. Vernon, N. Y.</i>	13 N. C.
† Homer Garton Collins,	<i>Meyersdale, Pa.</i>	X. ♀. Lodge.
Walter Erskine Cooley,	<i>Springfield, Mass.</i>	56 N. C.
Howard Reid Craig,	<i>New York, N. Y.</i>	X. ♀. Lodge.
Arthur Randall Davis,	<i>Fairfield, Me.</i>	2 O. H.
John Franklin Day,	<i>Princeton, Me.</i>	1 N. C.
† Raymond Francis Delahant,	<i>Albany, N. Y.</i>	18 N. C.

NAMES.	RESIDENCES.	ROOMS.
William Munroe Dox,	<i>Richmondville, N. Y.</i>	3 N. C.
Ralph Oliu Dulany,	<i>Fruitland, Md.</i>	20 O. H.
† Wesley Alvah Elliott,	<i>Readville, Mass.</i>	25 N. C.
† Dwight Caryl Ely,	<i>Erie, Pa.</i>	A. Δ. Φ. House.
† Edwin Markwick Eustis,	<i>New York, N. Y.</i>	87 N. C.
Sidney Baker Evans,	<i>Ben Avon, Pa.</i>	121 Broad St.
Murray Janvier Ewing,	<i>Worcester, Mass.</i>	12 N. C.
Vittoriano Fellini,	<i>Celano, Italy.</i>	Foss House.
John Edwin Fisher,	<i>Sunapee, N. H.</i>	Foss House.
Joseph Aloysius Francis,	<i>Dobbs Ferry, N. Y.</i>	240 High St.
† George Frederick Freifeld,	<i>New York, N. Y.</i>	98 N. C.
Joshua Collett Frost,	<i>Waterville, Me.</i>	62 N. C.
† Warren Clark Fuller,	<i>Newton, Mass.</i>	25 N. C.
† Russell Irving Garton,	<i>Arlington, N. J.</i>	9 O. H.
Randolph Foster Glenn,	<i>Sunbury, Pa.</i>	7 N. C.
† Thomas Milburn Gopsill,	<i>Jersey City, N. J.</i>	12 O. H.
William Aubrey Gough,	<i>Bridgeport.</i>	240 High St.
† Almer Frederick Griffin,	<i>Albany, N. Y.</i>	50 N. C.
† Elmer Burke Haines,	<i>Middletown.</i>	34 Lawn Ave.
Raymond Avery Hall,	<i>Auburn, N. Y.</i>	29 N. C.
† Hawthorne Parker Halvorson,	<i>Saugus, Mass.</i>	23 N. C.
† Harry Eugene Harris,	<i>El Paso, Tex.</i>	54 N. C.
† William Jarvis Harris,	<i>Montclair, N. J.</i>	89 N. C.
† James Blood Hasselman,	<i>Indianapolis, Ind.</i>	5 N. C.
† Curtis Hess,	<i>Lawrence, N. Y.</i>	Foss House.
Richard Miner Hewitt,	<i>Middletown.</i>	178 High St.
Ira Vaughan Hiscock,	<i>North Chesterville, Me.</i>	Foss House.
Robert Porter Holden,	<i>Clearfield, Pa.</i>	88 N. C.
John Robert Holmes,	<i>Batavia, N. Y.</i>	62 N. C.
Arthur Elisha Hoyt,	<i>Dexter, Me.</i>	Foss House.
† George Hussey,	<i>New Bedford, Mass.</i>	93 N. C.
Harold Laurence Irving,	<i>Westfield, N. J.</i>	42 N. C.
† Ira Davis Joel,	<i>Fitchburg, Mass.</i>	167 High St.
† Arthur Ernest Jones,	<i>Epsom, N. H.</i>	13 O. H.
Brewster Hawkins Jones,	<i>Belleville, N. J.</i>	Foss House.
† Frank Kaufman,	<i>New York, N. Y.</i>	91 N. C.
John Sibbits Keir,	<i>Seymour.</i>	X. & Lodge.
† James Stephen Kellom,	<i>Winchester, N. H.</i>	13 O. H.

NAMES.	RESIDENCES.	ROOMS.
† Otto August Leo K eser,	<i>Portland.</i>	<i>Portland.</i>
Roland Kilbon,	<i>Springfield, Mass.</i>	<i>161 High St.</i>
Frank Norris Knapp,	<i>Wilton, Me.</i>	<i>36 N. C.</i>
Walter William Kohler,	<i>Rendham, Pa.</i>	<i>17 O. H.</i>
Henry Rudolph Konrad,	<i>Seymour.</i>	<i>7 O. H.</i>
† Edison Stephen Lake,	<i>White Creek, N. Y.</i>	<i>317 William St.</i>
George Leland,	<i>Kents Hill, Me.</i>	<i>36 N. C.</i>
† William Ross Little,	<i>New York, N. Y.</i>	<i>317 William St.</i>
Esdras Howell Lowry,	<i>Scranton, Pa.</i>	<i>Foss House.</i>
† Robert Emmett McCarthy,	<i>Washington, D. C.</i>	<i>6 O. H.</i>
Frank Bernard McGovern,	<i>East Boston, Mass.</i>	<i>27 Cross St.</i>
Howard Spencer MacKirdy,	<i>New Britain.</i>	<i>95 N. C.</i>
† Paul Preston Martin,	<i>East Longmeadow, Mass.</i>	<i>83 N. C.</i>
Manuel Matienzo,	<i>Ponce, Puerto Rico.</i>	<i>18 O. H.</i>
Lynn Smith Miller,	<i>Oneonta, N. Y.</i>	<i>3 N. C.</i>
† Teja Schmauss Mittell,	<i>New York, N. Y.</i>	<i>X. & Lodge.</i>
George Lankton Moore,	<i>Youngstown, O.</i>	<i>53 N. C.</i>
† John Lewis Morgan,	<i>Newark, N. J.</i>	<i>15 E. H.</i>
† Lawrence Beatty Morse,	<i>Boonton, N. J.</i>	<i>76 N. C.</i>
† Herndon Tudor Morsell,	<i>Washington, D. C.</i>	<i>33 N. C.</i>
George Robson Mott,	<i>Arlington, N. J.</i>	<i>20 O. H.</i>
Maurice Francis Murphy,	<i>East Boston, Mass.</i>	<i>27 Cross St.</i>
† Leroy Beaumont Noble,	<i>Haddam.</i>	<i>20 E. H.</i>
† Elliott Marshall Peck,	<i>New Haven.</i>	<i>61 N. C.</i>
Arthur Fiske Potter,	<i>Portland.</i>	<i>85 N. C.</i>
† Herbert Langdon Pratt,	<i>Newton Center, Mass.</i>	<i>27 N. C.</i>
Minard Le Grand Proper,	<i>Middletown.</i>	<i>24 Jackson St.</i>
Albert Sears Pruden,	<i>Middletown.</i>	<i>241 Court St.</i>
Allen Simmons Raymond,	<i>Newton Center, Mass.</i>	<i>86 N. C.</i>
Stuart Lowell Rich,	<i>Boston, Mass.</i>	<i>62 N. C.</i>
Wilfred Slater Robinson,	<i>Springfield, Mass.</i>	<i>53 N. C.</i>
George Miles Rogers,	<i>Plainville, Mass.</i>	<i>7 N. C.</i>
Richard Alfred Rossiter,	<i>Oswego, N. Y.</i>	<i>17 E. H.</i>
† John Irving Rowell,	<i>Sunapee, N. H.</i>	<i>15 O. H.</i>
† Charles Nathan Rudkin,	<i>Middletown.</i>	<i>171 Mt. Vernon St.</i>
Joseph William Savage,	<i>New Britain.</i>	<i>8 N. C.</i>
Eugene Wesley Scarborough,	<i>Madison, N. J.</i>	<i>22 N. C.</i>
Peter Adam Schneider,	<i>Scranton, Pa.</i>	<i>X. & Lodge.</i>

NAMES.	RESIDENCES.	ROOMS.
Ralph Gordon Sickels,	<i>Indianapolis, Ind.</i>	5 N. C.
† Rodman Moulton Steeb,	<i>Sparkill, N. Y. 171 Mt. Vernon St.</i>	
Floyd Alonzo Stevens,	<i>Ridgewood, N. J.</i>	13 O. H.
† Horace Bickford Stevens, Jr.,	<i>El Paso, Tex.</i>	54 N. C.
William Covert Stevens,	<i>Port Chester, N. Y.</i>	76 N. C.
† Charles Adolphus Stine, Jr.,	<i>Albany, N. Y.</i>	18 N. C.
† Stewart Niven Storms,	<i>Dobbs Ferry, N. Y. 240 High St.</i>	
Hugh Clark Stuntz,	<i>Madison, N. J.</i>	22 N. C.
Francis Albert Sturges,	<i>Waterport, N. Y.</i>	74 N. C.
† William Harry Sutton,	<i>Paterson, N. J.</i>	17 O. H.
† Norman Thirkield,	<i>Washington, D. C.</i>	33 N. C.
† Frederick William Trevithick,	<i>Middletown. 243 College St.</i>	
† Frederick Granville Tripp,	<i>Taunton, Mass. 317 William St.</i>	
† Henry Hyde True,	<i>Washington, D. C.</i>	92 N. C.
† Homer Whitney Van Benschoten,	<i>West-Park-on-Hudson, N. Y. 16 N. C.</i>	
Harald Ernest Weinstein,	<i>Danbury. 171 Mt. Vernon St.</i>	
† Benning Lewis Wentworth,	<i>Melrose, Mass.</i>	1 O. H.
† Allen Dodge Wheeler, Jr.,	<i>Newton Centre, Mass.</i>	27 N. C.
† Edmund Alden Whiting,	<i>Montclair, N. J.</i>	12 O. H.
† Ransom Ernest Wilcox,	<i>Mt. Vernon, N. Y.</i>	X. & Lodge.
Melville Soule Wilding,	<i>Perth Amboy, N. J.</i>	9 N. C.
† Berkeley Williams,	<i>Middletown. 35 Silver St.</i>	
Harold Purcell Winchester,	<i>Albany, N. Y.</i>	18 N. C.
† Tracy Wood,	<i>Nutley, N. J.</i>	Foss House.
† Hiram Walter Young,	<i>York, Pa.</i>	Δ. T. Δ. House.

SPECIAL STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Eli Allison,	<i>Bramley, Leeds, England.</i>	19 E. H.
Frank Gerald Flood,	<i>Portland.</i>	<i>Portland.</i>
E. Jay Hanford,	<i>Mamaroneck, N. Y.</i>	44 Mt. Vernon St.
R. Clifton Keagy,	<i>Manchester, Iowa.</i>	83 N. C.

SUMMARY.

						MEN.	WOMEN.	TOTAL.
GRADUATE STUDENTS,	-	-	-	-	-	6	3	9
SENIORS,	-	-	-	-	-	45	4	49
JUNIORS,	-	-	-	-	-	66	5	71
SOPHOMORES,	-	-	-	-	-	101	—	101
FRESHMEN,	-	-	-	-	-	133	—	133
SPECIAL STUDENTS,	-	-	-	-	-	4	—	4
Total,	-	-	-	-	-	355	12	367

ABBREVIATIONS.

[illegible]

GENERAL STATEMENT.

Courses of Study.—The College presents to its undergraduates the option of two parallel courses of study, each extending through four years, one leading to the degree of Bachelor of Arts, the other to the degree of Bachelor of Science. Either Latin or Greek is required for admission to the former course. In the Freshman year English is required of students of both courses. The rest of the work is elective from a limited number of courses, with the requirement that a candidate for the B. A. degree must take a three-hour course in either Latin or Greek, and a three-hour course in one of the following: Latin, Greek, Mathematics, Modern Languages; a candidate for the B. S. degree must take the following courses in college, unless he has presented them for admission: Trigonometry, and either Advanced Algebra, Solid Geometry or Analytic Geometry; I. and II. French; I. and II. German. In the three remaining years, all the studies are elective, within the limits of a group system. Each student must elect a major study.

Special Courses.—Students who do not desire to complete either of the foregoing courses may receive instruction in such studies as they may select, provided they prove themselves, upon examination, qualified to pursue them with advantage. It should, however, be understood that this provision is intended for the benefit, not of those students who are incompetent to take one of the regular courses, but of those who have already obtained a preliminary education so thorough as to enable them to pursue with advantage extended courses of study in particular departments. Such special students will be expected to attend all exercises assigned them, and will be subject to all the general rules of the college.

Graduate Studies.—Extended instruction is given to those who wish to pursue graduate courses of study in any of the departments. Further information concerning such graduate courses is given in the reports of the several departments on courses of instruction, and also in connection with the statement of conditions for the degrees of Master of Arts and Master of Science.

REQUIREMENTS FOR ADMISSION.



For admission without condition the candidate must secure credit for $14\frac{1}{2}$ units, a unit representing a year's work in a secondary school with four or five periods a week.

B. A. DEGREE.—Candidates for the B. A. degree must present English, 3 units, Elementary Algebra, $1\frac{1}{2}$ units, Plane Geometry, 1 unit, Ancient History and Geography, 1 unit, and either Latin, 4 units, or Greek, 3 units; making a total of $10\frac{1}{2}$ or $9\frac{1}{2}$ units. The remaining units to make up a total of $14\frac{1}{2}$ may be selected from any of those specified below. Unless both Latin and Greek are offered, candidates must present an elementary modern language, or take a corresponding course in college.

B. S. DEGREE.—Candidates for the B. S. degree must present English, 3 units, Elementary Algebra, $1\frac{1}{2}$ units, Plane Geometry, 1 unit, History, 1 unit, one elementary modern language, 2 units; making a total of $8\frac{1}{2}$ units. The remaining units to make up a total of $14\frac{1}{2}$ may be selected from any of those specified below. Unless two units in science are offered, at least five hours of science must be taken in college.

SCALE OF VALUES.

	Units.
English, - - - - -	3
Latin—Grammar,* - - - - -	1
Composition,* - - - - -	1
Caesar and elementary composition,†	2
Cicero and sight prose translation, - -	1
Vergil and sight poetry translation, - -	1

* Must be offered with either Cicero or Vergil.

† For B. S. candidates. No credit will be given for these units if either Cicero or Vergil is offered later. The maximum credit in Latin is 4 units.

	Units.
Greek, 2 years, - - - - -	2
Greek, 3rd year, - - - - -	1
German—Elementary, 2 years, - - - - -	2
Intermediate, 3rd year, - - - - -	1
French—Elementary, 2 years, - - - - -	2
Intermediate, 3rd year, - - - - -	1
History—Ancient History and Geography, - - - - -	1
Mediaeval and Modern History, - - - - -	1
English History, - - - - -	1
American History, - - - - -	1
Mathematics—Elementary Algebra, - - - - -	1½
Plane Geometry, - - - - -	1
Solid Geometry, - - - - -	½
Advanced Algebra, - - - - -	½
Plane Trigonometry, - - - - -	½
Physics, theoretical and practical, - - - - -	1
Chemistry, theoretical and practical, - - - - -	1
Physical Geography, - - - - -	½
Botany (or Biology), - - - - -	½

REQUIREMENTS IN DETAIL.

ENGLISH.

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with intelligence and appreciation.

I. ENGLISH GRAMMAR AND COMPOSITION.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs, and the different kinds of composition, including letter writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise narration, description, and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

II. LITERATURE.

The second object is sought by means of two lists of books, headed respectively Reading and Study, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

A. READING.—The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

Students entering in 1911 will read:

Shakespeare's *The Merchant of Venice* and *Julius Cæsar*; the Sir Roger de Coverley Papers in *The Spectator*; Franklin's *Autobiography*; Scott's *The Lady of The Lake* and *Ivanhoe*; Hawthorne's *The House of the Seven Gables*; Macaulay's *Lays of Ancient Rome*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Dickens's *A Tale of Two Cities*.

Students entering in 1912 will read:

Shakespeare's *As You Like It* and *Julius Cæsar*; Franklin's *Autobiography*; Goldsmith's *The Deserted Village*; Dickens's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Irving's *Sketch Book*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Macaulay's *Lays of Ancient Rome*.

Students entering in 1913 and following years will make selections from the following list of works approved by the Conference on Uniform Entrance Requirements in English. Students entering in 1911 or 1912 may also, if they prefer, be examined on a selection of books from this list, but must give notice of their intention to do so by the first day of June.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from which at least ten units* are to be selected, two from each group:

1. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I., II., III., IV., V., XV., XVI., XVII.; the Iliad, with the omission, if

* Each "unit" is set off by semicolons.

desired, of Books XI., XIII., XIV., XV., XVII., XXI.; Vergil's *Æneid*. The *Odyssey*, *Iliad*, and *Æneid* should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

2. Shakespeare's *Merchant of Venice*; *The Midsummer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Cæsar*.

3. Defoe's *Robinson Crusoe*, Part I.; Goldsmith's *Vicar of Wakefield*; either Scott's *Ivanhoe* or Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; either Dickens's *David Copperfield*, or Dickens's *A Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

4. Bunyan's *Pilgrim's Progress*, Part I.; *The Sir Roger de Coverley Papers in The Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's *Essays on Lord Clive and Warren Hastings*; Thackeray's *English Humourists*; Selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden*, or Huxley's *Autobiography and Selections from Lay Sermons*, including the addresses on Improving Natural Knowledge, A Liberal Education, and A Piece of Chalk; Stevenson's *Inland Voyage and Travels with a Donkey*.

5. Palgrave's *Golden Treasury* (First Series), Books II. and III., with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village*; Coleridge's *Ancient Mariner* and Lowell's *The Vision of Sir Launfal*; Scott's *The Lady of the Lake*; Byron's *Childe Harold*, Canto IV., and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV., with especial attention to Wordsworth, Keats, and Shelley; Poe's *Raven*, Longfellow's *The Courtship of Miles Standish*, and Whittier's *Snow Bound*; Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*;

Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

B. STUDY.—This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. For this close reading are provided a play, a group of poems, an oration, and an essay, as follows:

For students entering in 1911:

Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

For students entering in 1912:

Shakespeare's *Macbeth*; Milton's *Comus*, *L'Allegro*, and *Il Penseroso*, or Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

For students entering in 1913:

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; either Burke's *Speech on Conciliation with America*, or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; either Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

EXAMINATIONS.—However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which may be taken as a preliminary, and the other as a final.

The first part of the examination will be upon the books chosen, in accordance with the plan described earlier, from the

lists headed Reading; and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics which the candidate may choose out of a considerable number. These topics will involve such knowledge and appreciation of plot, character-development, and other qualities of style and treatment as may be fairly expected of boys and girls. In grammar and rhetoric, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors.

The second part of the examination will include composition and those books comprised in the list headed Study. The test in composition will consist of one or more essays, developing a theme through several paragraphs; the subjects will be drawn from the books prescribed for study, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as need explanation for an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

LATIN.

I. AMOUNT AND RANGE OF READING REQUIRED.

1. The Latin reading required of candidates for admission to the B. A. course, without regard to the prescription of particular authors and works, is not less *in amount* than Caesar, Gallic War, I.-IV.; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Aeneid, I.-VI.

2. The amount of reading specified above should be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II. SUBJECTS AND SCOPE OF THE EXAMINATIONS.

1. Translation at Sight. Candidates will be examined in translation at sight of both prose and verse. In vocabulary, constructions, and range of ideas, the passages set will be suited to the preparation secured by the reading indicated above.

2. Prescribed Reading. Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Aeneid, I., II., and either IV. or VI. at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

The papers set by the College Entrance Examination Board, corresponding to the above requirements, are NR 4 and NR 5.

3. Grammar and Composition. The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

The papers set by the College Entrance Examination Board, corresponding to the above requirements, are NR 1 and NR 2.

In the case of candidates who desire credit for *two years'* work in Latin, the required reading is not less *in amount* than Caesar, Gallic War, I.-IV., and should be selected from the following: Caesar (Gallic War and Civil War) and Nepos (Lives). The test is on ability to read at sight, and no part of the reading is prescribed for examination. The corresponding paper of

the College Entrance Examination Board is NR 3. For *three years'* credit, the required reading is not less *in amount* than Caesar, Gallic War, I.-IV., and Cicero, the orations against Catiline, for the Manilian Law, and for Archias; this reading should be selected from Caesar (Gallic War and Civil War) and Nepos (Lives), Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War). Cicero's orations for the Manilian Law and for Archias are prescribed for examination. The corresponding paper of the College Entrance Examination Board is NR 4. For this may be substituted, if desired, the examination in fourth-year Latin, Vergil and Translation of Poetry at sight (NR 5).

Certificates for two years of Latin must state that the candidate has had systematic practice, and has exhibited satisfactory proficiency, in reading at sight Latin of the average difficulty of Caesar; certificates for three years must vouch for similar practice and proficiency in reading at sight Latin of the average difficulty of either Cicero's orations or Vergil's Aeneid; and certificates for four years must vouch for such practice and proficiency in reading at sight Latin of the average difficulty of both Cicero's orations and Vergil's Aeneid.

GREEK.

1. Greek grammar, including prosody. The following textbooks are recommended: Hadley-Allen's, Goodwin's, or Babbitt's.

2. Xenophon,—Anabasis, books I.-IV.

3. Homer,—Iliad, books I.-III.

4. Translation at sight of one or more passages from Xenophon.

5. Translation into Greek of easy narrative passages based on the required books of the Anabasis.

To meet the full requirement in Greek, candidates must pass the following examinations of the College Entrance Examination Board: Greek *a i*, *a ii*, *b*, *c*, *g*.

GERMAN.

ELEMENTARY (counting as two units).—Such a knowledge of the language is required as may be obtained by the reading of at least 300 pages, part of which should be read at sight.

The examination consists of the translation at sight into English of easy passages of German, elementary grammatical questions, and the translation of simple English sentences into German. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of at least 300 additional pages of German (not more than half of which should be fiction), and regular practice in writing and speaking German. At least one additional year of study will be necessary to meet this requirement.

FRENCH.

ELEMENTARY (counting as two units).—Such a knowledge of the language is required as may be obtained by the reading of at least 400 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of French, elementary grammatical questions, and the translation of simple English sentences into French. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of not less than 600 additional pages of French (including at least two works of a dramatic character), and regular practice in writing and speaking French. At least one additional year of study will be necessary to meet this requirement.

HISTORY.

1. Ancient History to the death of Charlemagne (814).
2. Mediaeval and Modern European History from the death of Charlemagne (814) to the present time.
3. English History.
4. American History and Civil Government.

These four courses are outlined in *The Study of History in Schools: Report to the American Historical Association by the Committee of Seven* (1899), and with more detail in *A History Syllabus for Secondary Schools . . . by a Special Committee of the New England History Teachers' Association* (1904), and in *Syllabus for Secondary Schools, 1910*, published by the

University of the State of New York. These courses are identical with those scheduled for examination by the College Entrance Examination Board.

In each of the above courses the following requirements must be met:

1. One year of historical work, wherein the study is given five times per week, or two years of historical work, wherein the study is given three times per week.

2. Such general knowledge of the whole course as may be acquired from the study of an accurate text-book, amounting to not less than 500 pages.

3. A fuller knowledge derived from suitable collateral reading, in books of a less elementary nature, amounting to at least 500 pages.

4. Comparisons between historical characters, periods and events, and in general the power to combine in orderly fashion the results of reading, and to exercise judgment as well as memory.

5. Geographical knowledge, tested by the location of places, movements and territorial changes on an outline map, by physical features wherever possible, as well as by political features.

Schools having the certificate privilege must certify only those courses in history actually pursued in the high school and must omit any courses taken in the grammar school, or merely passed on examination, or not complying with the above requirements.*

* In case of schools entitled to the certificate privilege, where any of the courses in history are such that they do not meet the above requirements, the teacher should give the student a detailed statement of the courses taken and of his grades, which statement will be considered in connection with such examination as may be deemed necessary to determine the amount of credit to be allowed. In no case will account be taken of a course in Greek History which does not extend at least to the death of Alexander (B. C. 323), or of a course in Roman History which does not extend at least to the death of Marcus Aurelius (A. D. 180). No account will be taken of any course of less than five periods for a half-year, or three periods for a year.

The Regents' diplomas and supplementary pass cards of the University of the State of New York for the *five*-hour examinations will be received as covering the first, third, and fourth of the above groups, and for the three hour examinations in *both* Modern History I. and Modern History II. as covering the second of the above groups.*

Candidates for the B.A. degree must present Ancient History, the first of the above groups, and may, in addition, present one or more of the other groups. Candidates for the B. S. degree must present at least one of the above groups, preferably the fourth (American History and Civil Government), and, in addition, may present one or more of the other groups.

MATHEMATICS.

1. ELEMENTARY ALGEBRA.

(a) Algebra to Quadratics. The four fundamental operations for rational algebraic expressions. Factoring determination of highest common factor and lowest common multiple by factoring. Fractions, including complex fractions, and ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. Radicals, including the extraction of the square root of polynomials and of numbers. Exponents, including the fractional and negative.

(b) Quadratics and beyond. Quadratic equations, both numerical and literal. Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations. Problems depending on quadratic equations. The binomial theorem for positive integral exponents. The formulas for the n th term and the sum of the terms of arithmetical and geometric progressions, with applications.

2. PLANE GEOMETRY.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures;

* No credit will be allowed for the *three*-hour examination in Ancient History. Temporarily, the three-hour examinations in the other subjects will be credited for a half-unit. No credit is given for Elementary United States History and Civics, or Civics, or Economics.

the circle and the measurement of angles; similar polygons; areas; regular polygons, and the measurement of the circle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

3. SOLID GEOMETRY.

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of surfaces and solids.

4. ADVANCED ALGEBRA.

Permutations and combinations, limited to simple cases. Complex numbers, with graphical representation of sums and differences. Determinants, chiefly of the second, third, and fourth orders, including the use of minors and the solution of linear equations. Numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes' rule of signs and Horner's method, but not Sturm's functions or multiple roots.

5. PLANE TRIGONOMETRY.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles. Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas. Solution of trigonometric equations of a simple character. Theory and use of logarithms (without the introduction of work involving infinite series). The solution of right and oblique triangles, and practical applications.

PHYSICS.

The time devoted to this study should be at least 120 periods of 60 minutes each, time spent in the laboratory to be counted at one-half its face value.

[XIV.² TACITUS. Selections from the Annals I.-VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Twice a week (second half-year)*. PROFESSOR HEWITT.]

[XV.¹ CATULLUS. The beginnings of lyric poetry among the Romans, with a brief study of its later development and of lyric forms in post-classical and mediaeval Latin. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

XVI.¹ ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Mon., Wed., Fri., at 12 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (V.)

XVII.² HISTORICAL LATIN GRAMMAR. Lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Mon., Wed., Fri., at 12 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (V.)

[XVIII.¹ LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[XIX.² ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

[XX.² ROMAN POLITICAL INSTITUTIONS AND LAW. An introductory course, based partly on original, and partly on modern authorities, given by lectures and the use of text-books. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

Certificates in physical geography will not be accepted without examination unless one of the text-books above mentioned has been used, nor unless the time devoted to the study has been at least the equivalent of four exercises a week for a half-year.

(2) In botany, the candidate must show such a knowledge of the subject as may be gained from either (1) the study of morphological and structural botany, as included in the recent elementary botanical text-books of Spaulding or Bergen; or (2) the study of Gray's *Lessons in Botany*, accompanied by analysis and description of flowers.

A satisfactory course in biology will be accepted in lieu of the requirement in botany. In biology the student must have pursued a course equivalent to at least four hours a week for a half-year. The course may cover either general biology, zoölogy or physiology, the requirement being that it shall be a logical course of one of these branches in biology from a standard text-book. Either this course or botany may be offered, but not both.

SPECIAL COURSES.

Special students, not candidates for a degree, may be admitted, upon passing such examinations as the Faculty shall in each case prescribe. (See also page 28.)

GENERAL REGULATIONS CONCERNING ADMISSION.

ADVANCED STANDING.—All candidates for advanced standing must satisfy the Faculty of their proficiency in the preparatory studies, the required studies already pursued by the classes they propose to enter, and the proper quota of elective studies, or studies recognized as equivalents therefor. A certificate of standing in another college is not accepted as evidence of such proficiency, without such further inquiry or examination as may be necessary in the judgment of the respective instructors.

PRELIMINARY EXAMINATIONS.—Preliminary examinations in any of the requirements for admission may be taken a year or more before entering college, and a candidate will receive credit for any subjects thus passed in advance.

DATE AND PLACE OF EXAMINATIONS.—Examinations for admission are held twice each year, in June and in September.

In June the entrance examinations of the college are those of the College Entrance Examination Board, of which Wesleyan University is a member. An application for the privilege of taking these examinations must be made to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., from whom all necessary information regarding the June examinations can be obtained. These examinations will be held June 19-24, 1911, at a large number of widely distributed points, including Middletown.

Applications for examination at points in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be received by the Board on or before Monday, June 5, 1911; applications for examination elsewhere in the United States or in Canada must be received on or before Monday, May 29, 1911; and applications for examination at points outside of the United States and Canada must be received on or before Monday, May 15, 1911. In order to facilitate the making of arrangements for the proper conduct of the examinations, it is desired that all applications be filed as early as possible.

Each application filed in accordance with the foregoing requirements must be accompanied by the examination fee, which is \$5.00 for candidates examined at points in the United States and Canada, and \$15.00 for candidates examined at points outside the United States and Canada. This fee should be remitted by postal order, express order, or draft on New York, payable to the College Entrance Examination Board.

Applications received later than the dates named above will be accepted when it is practicable to arrange for the examination of the candidates concerned, but only upon the payment of \$5.00 in addition to the regular fee. The blank forms necessary for making this application may be obtained only from the Secretary of the College Entrance Examination Board.

The fees of candidates for examination in June, 1911, whose applications have been accepted by the Secretary, can under no circumstances be returned unless the request for their return is received on or before Monday, June 12, 1911.

A candidate for examination in two or more years will be required to pay the examination fee in each year.

The examinations in September will be conducted by the college, and no fees will be charged. They will be held only in Middletown. The date of the examination in 1911 will be September 20-21.

ADMISSION BY CERTIFICATE.—Certificates covering the foregoing requirements for admission to college are received from certain schools of good standing, which have been approved by the Faculty. A certificate will not be received unless it covers decidedly the major part of the requirements for admission.

No certificate will be received hereafter from any school in New England which has not been approved by the New England College Entrance Certificate Board, of which this college is a member. The Secretary of the Board is Prof. N. F. Davis, of Brown University, Providence, R. I., to whom applications from New England Schools for the certificate privilege should be addressed. Such applications must reach the Secretary not later than April first, if approval is desired for the next academic year.

Certificates of the College Entrance Examination Board will be received in lieu of examination in the subjects which they cover.

Diplomas issued by the Regents of the University of the State of New York, and pass cards supplementary to such diplomas, will be received in lieu of examination in the subjects which they cover. Regents' certificates will also be received, provided they cover decidedly the major part of the requirements for admission.

Certificates from preparatory schools and Regents' diplomas are never accepted in lieu of examination for advanced standing.

Students entering by certificate are considered as on trial until the completion of the mid-year examinations. A student admitted to college on certificate, who is dismissed during his

XIII. PRE-SOCRATIC PHILOSOPHY. A study of the sources in Diels, *Die Fragmente der Vorsokratiker*. *Tu., Th., at 10.*
37 F. H. PROFESSOR HEIDEL. (IX.)

Course XIII. is elective for those who have taken Courses V. and VI., or Course VII.

[XIV.¹ GREEK LITERARY CRITICISM. Aristotle's *Poetics*, the treatise *On the Sublime*, and selections from Dionysius of Halicarnassus. *Twice a week (first half-year)*. PROFESSOR HEIDEL.]

Course XIV. is elective for those who have taken Courses V. and VI., or Course VII. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses X., XI., XII., XIII., and XIV. are intended for advanced undergraduates or graduates. In certain cases, when counted as graduate courses, additional requirements may be made.

HEBREW.†

ELEMENTARY COURSE. Davidson's *Grammar*. The verbal and nominal forms and the elements of syntax are thoroughly mastered. Careful attention is given to the acquisition of a practical, working vocabulary. Short sentences in Hebrew are read with every lesson, accompanied by exercises in Hebrew composition (*first half-year*). Kittel's *Hebrew Bible*. The Brown, Driver, and Briggs *Hebrew Lexicon*. Selections from *Genesis*. The *Book of Ruth*. Sight reading (*second half-year*). *Mon., Tu., Th., Fri., at 12.* Berkeley Divinity School. MR. VANDERBOGART.

† Students may receive credit for work in this department pursued at the Berkeley Divinity School.

COURSES OF INSTRUCTION.

For regulations concerning selection of studies, see page 96.

Bracketed courses are not given this year, but will, in most cases, be given next year.

The figures ¹ and ² following the number of a course indicate respectively that the course is offered for the first or the second half-year.

The Roman numerals in parentheses following each course indicate the examination group to which it is assigned. For table of groups, see pages 94 and 95.

The place of meeting of each course is indicated by means of the following abbreviations: F. H.=Fisk Hall; J. H.=Judd Hall; O. H.=Observatory Hall; S. L.=Scott Laboratory of Physics; CHEM. LAB., BIOL. LAB.=Chemical, Biological Laboratory.

An asterisk prefixed to the number of a course indicates that it can be elected only with the previous approval of the instructor; such approval must be *in writing* and must be handed in by the student *along with his list of electives*.

LATIN.

PROFESSOR HARRINGTON; ASSOCIATE PROFESSORS NICOLSON
AND HEWITT.

Of the following courses in Latin, Courses I. and I.A. are given every year, the remaining courses in alternate years only, the bracketed courses being omitted in 1910-11, but to be given in 1911-12 in place of the unbracketed courses. Either Course I. in Latin or Course I. in Greek is required of all candidates for the degree of B. A. Course I.A. should be elected in Freshman year by all students intending to pursue any further study of the classics. Courses II.-VI. are elective for those who have taken Course I. Courses I., I.A., two of Courses II.-V., and any one of Courses VI., XVI., and XVII. are required of candidates for preliminary honors in classics. Courses VII.-XXI. are intended primarily for those who have taken at least Course I. and two of Courses II.-V. But Courses XVI. and XX. may by special permission of the instructor be elected by those who have taken only Course I.; and students of marked ability in the reading of Latin, who are taking one of Courses II.-V., may be admitted to certain of the other courses at the same time by special permission of the instructor, to whom application should in each case be made.

I. LIVY,—Selections (*first half-year*). TERENCE,—Phormio; PLAUTUS,—Menaechmi (*second half-year*). Exercises in sight translation throughout the year. SECTION 1, *Mon., Wed., Fri., at 9*; SECTION 2, *Tu., Th., Sat., at 9*; SECTION 3, *Tu., Th., Sat., at 11*. 31 F. H. PROFESSORS NICOLSON and HEWITT. (II.)

I.A. SUPPLEMENTARY COURSE. Training in rapid reading; practice in Latin composition. Occasional lectures throughout the year by the instructors in Latin, giving a preliminary survey of the various departments of classical study. *Wed., at 11*. 31 F. H. PROFESSOR NICOLSON. (IV.)

[II.¹ CICERO,—Selected letters, to give a more intimate acquaintance with the history of Rome during the last two decades of the republic, and to compare colloquial with formal Latin. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[III.² HORACE,—Odes and Epodes, to illustrate the lyric art of the Augustan age. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

IV.¹ HORACE,—Satires and Epistles, to illustrate the social and literary standards of Rome at the beginning of the empire. *Tu., Th., at 12 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (XI.)

V.² PLINY THE YOUNGER,—Selected letters, to illustrate especially the state of Roman society at the close of the first century after Christ. *Tu., Th., at 12 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (XI.)

[VI.¹ LATIN PROSE COMPOSITION. In this course the elementary principles of Latin style are studied in connection with a thorough review of Latin grammar, and considerable amounts of English prose (dealing with subjects both ancient and modern) are translated into Latin. *Twice a week (first half-year)*. PROFESSOR HEWITT.]

VII. RAPID READING. The aim in this course is to read large amounts of comparatively easy Latin, with a view to acquiring facility in the use of the language. The selections in

the first half-year are from poetry (Vergil, Plautus, Terence); in the second half-year from prose (Caesar, Suetonius, Gellius). *Mon., Fri., at 10.* 13 F. H. PROFESSOR NICOLSON. (III.)

VIII. ROMAN LITERATURE. A historical and critical survey of Roman literature given by means of lectures, a text-book dealing with the general subject, illustrative class-room readings in Latin and in English translations, and a choice of several collateral reading courses covering different periods. This course is designed primarily for students who desire a wider general acquaintance with the literature of the Romans and its relation to other literatures, without special emphasis upon its distinctly philological features. *Tu., Th., at 9 (counting as three times a week).* 32 F. H. PROFESSOR HARRINGTON. (VIII.)

[IX. ROMAN ELEGIAC POETRY. The origin and development of the elegiac form. Selections from Catullus, Tibullus, Propertius, and Ovid. Practice in original research. Seminar methods are employed. *Twice a week.* PROFESSOR HARRINGTON.]

[X.¹ OVID,—the *Fasti*, with special attention to questions of Roman history and ritual. *Twice a week (first half-year).* PROFESSOR NICOLSON.]

[XI.¹ ROMAN SATIRE. From its beginnings through the Golden Age. Selections from Ennius, Lucilius, Varro, Horace, and Persius. *Twice a week (first half-year).* PROFESSOR HARRINGTON.]

[XII.² ROMAN SATIRE. A continuation of Course XI. Selections from Juvenal, Petronius, and Apuleius; the *Apocolocyntosis* of Seneca; lectures on the earliest forms of the novel. *Twice a week (second half-year).* PROFESSOR NICOLSON.]

XIII. ROMAN PHILOSOPHY. Lucretius (selections); Cicero (selections from the *Academica*, *De Officiis*, *Tusculanae Disputationes*, *De Finibus*, *De Natura Deorum*); Seneca (selected essays and epistles); lectures on the development of Roman philosophy. *Mon., Wed., Fri., at 8.* 32 F. H. PROFESSOR HARRINGTON. (I.)

[XIV.² TACITUS. Selections from the Annals I.-VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Twice a week (second half-year)*. PROFESSOR HEWITT.]

[XV.¹ CATULLUS. The beginnings of lyric poetry among the Romans, with a brief study of its later development and of lyric forms in post-classical and mediaeval Latin. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

XVI.¹ ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Mon., Wed., Fri., at 12 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (V.)

XVII.² HISTORICAL LATIN GRAMMAR. Lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Mon., Wed., Fri., at 12 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (V.)

[XVIII.¹ LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[XIX.² ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

[XX.² ROMAN POLITICAL INSTITUTIONS AND LAW. An introductory course, based partly on original, and partly on modern authorities, given by lectures and the use of text-books. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

[XXI.² LATIN LITERATURE SINCE THE ROMAN EMPIRE. Lectures introductory to the literature written in the universal language of the ecclesiastical and learned European world from the fifth century to the seventeenth century. Illustrative readings from some of the most interesting types of prose and poetry, including the novel, the drama, the dialogue, the lyric, the writings of the Church Fathers. *Twice a week (second half-year).* PROFESSOR HARRINGTON.]

GREEK AND ROMAN MYTHOLOGY. For description, see Course X. in Greek.

For the most successful prosecution of even the earlier courses in Latin, ability to read German prose on philological subjects is decidedly advantageous, and for the most advanced courses it is generally necessary. Students, therefore, who look forward to the study of Latin beyond the more elementary courses, and who have on admission to college no acquaintance with German, should devote special attention to that subject in the Freshman year.

GRADUATE INSTRUCTION.

Courses XVII., XVIII., XIX., and XXI., while open to undergraduates, may appropriately be taken as graduate work. Other graduate courses are arranged according to the tastes or attainments of individual students.

GREEK.

PROFESSOR HEIDEL; ASSOCIATE PROFESSOR HEWITT.

I. LYSIAS,—Select Orations; PLATO,—Euthyphro, Apology, and Crito; XENOPHON,—Memorabilia. *Mon., Wed., Fri., at 10.* 31 F. H. PROFESSOR HEIDEL. (III.)

Course I. in Greek, or Course I. in Latin, is required of candidates for the B. A. degree.

I.A. HOMER,—Odyssey. The entire poem is studied, a portion of it in translation. The aim of the course is to develop in the student the ability to read rapidly and at sight.

It should be elected by those who intend to continue the study of Greek. *Wed., at 8.* 37 F. H. PROFESSOR HEWITT. (I.)

Courses I. and I.A are required of candidates for preliminary honors in classics.

II. THUCYDIDES,—Books VI. and VII. (*first half-year*). HERODOTUS,—Selections (*second half-year*). *Tu., Th., at 11.* 37 F. H. PROFESSOR HEIDEL. (X.)

Course II. is elective for those who have taken Course I. It is required of candidates for preliminary honors in classics.

III. GREEK PROSE COMPOSITION. *Fri., at 11.* 37 F. H. PROFESSOR HEIDEL. (IV.)

Course III. is elective for those who have taken, or are taking, Course II. Either Course III. or Course IV. is required of candidates for preliminary honors in classics.

[IV. HISTORY OF GREEK LITERATURE. Lectures and collateral reading. *Once a week.* PROFESSOR HEIDEL.]

Course IV. is elective for those who take Course II., or for Juniors. Either Course III. or Course IV. is required of candidates for preliminary honors in classics. Courses III. and IV. are given in alternate years. Course IV. is omitted the present year.

V.¹ PLATO,—Gorgias; DEMOSTHENES,—The Oration on the Crown. Collateral study of Greek rhetoric and oratory. *Tu., at 8; Wed., Fri., at 10 (first half-year).* 37 F. H. PROFESSOR HEWITT. (III.)

VI.² THE GREEK LYRIC POETS,—including selections from Pindar and Bacchylides. *Tu., at 8; Wed., Fri., at 10 (second half-year).* 37 F. H. PROFESSOR HEWITT. (III.)

Courses V. and VI. are elective for those who have taken Course II.

[VII. AESCHYLUS,—Prometheus Bound. SOPHOCLES,—Oedipus the King, and Antigone. Lectures and collateral reading on the Greek theatre (*first half-year*). EURIPIDES,—Iphigenia among the Taurians, and Cyclops. ARISTOPHANES,

—Frogs. Collateral reading on the Greek drama (*second half-year*). *Three times a week*. PROFESSOR HEWITT.]

Course VII. is elective for those who have taken Course II. It is omitted the present year.

[VIII.¹ NEW TESTAMENT IN GREEK. *Twice a week (first half-year)*. PROFESSOR HEIDEL.]

Course VIII. is elective for those who have taken, or are taking, Course II. It is omitted the present year.

IX.² THEOCRITUS AND LUCIAN. *Mon., Fri., at 3 (second half-year)*. 37 F. H. PROFESSOR HEWITT. (VI.)

Course IX. is elective for those who have taken Course II.

X.¹ GREEK AND ROMAN MYTHOLOGY. The subject is discussed from the anthropological rather than the literary point of view, and the course is designed to serve as an introduction to the study of religion. It consists of recitations, lectures, and frequent reports on reading. Knowledge of Latin and Greek is not required, but the ability to read German is very desirable. *Mon., Fri., at 3 (first half-year)*. 37 F. H. PROFESSOR HEWITT. (VI.)

Course X. is elective for Juniors.

XI. GREEK CIVILIZATION. Lectures and collateral reading on the art, the religion, and the scientific thought of ancient Greece in relation to modern civilization. Knowledge of Greek is not required. *Tu., Th., at 2*. 37 F. H. PROFESSOR HEIDEL.

Course XI. is elective for Juniors.

[XII. GREEK LIFE AND INSTITUTIONS. Lectures, collateral reading, and reports, on Greek private life, the organization of Athenian society, and the duties of the Athenian as a citizen. Knowledge of Greek is not required. *Twice a week*. PROFESSOR HEIDEL.]

Course XII. is elective for Juniors. It is omitted the present year.

XIII. PRE-SOCRATIC PHILOSOPHY. A study of the sources in Diels, *Die Fragmente der Vorsokratiker*. *Tu., Th., at 10.* 37 F. H. PROFESSOR HEIDEL. (IX.)

Course XIII. is elective for those who have taken Courses V. and VI., or Course VII.

[XIV.¹ GREEK LITERARY CRITICISM. Aristotle's *Poetics*, the treatise *On the Sublime*, and selections from Dionysius of Halicarnassus. *Twice a week (first half-year)*. PROFESSOR HEIDEL.]

Course XIV. is elective for those who have taken Courses V. and VI., or Course VII. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses X., XI., XII., XIII., and XIV. are intended for advanced undergraduates or graduates. In certain cases, when counted as graduate courses, additional requirements may be made.

HEBREW.†

ELEMENTARY COURSE. Davidson's Grammar. The verbal and nominal forms and the elements of syntax are thoroughly mastered. Careful attention is given to the acquisition of a practical, working vocabulary. Short sentences in Hebrew are read with every lesson, accompanied by exercises in Hebrew composition (*first half-year*). Kittel's Hebrew Bible. The Brown, Driver, and Briggs Hebrew Lexicon. Selections from Genesis. The Book of Ruth. Sight reading (*second half-year*). *Mon., Tu., Th., Fri., at 12.* Berkeley Divinity School. MR. VANDERBOGART.

† Students may receive credit for work in this department pursued at the Berkeley Divinity School.

GERMAN.

† PROFESSOR FIFE; DR. CURTS.

I. ELEMENTARY GERMAN. Vos's Essentials of German; Nichols's Easy German Reader; Gerstäcker,—Germelshausen; Heyse,—Das Mädchen von Treppi; Wilbrandt,—Jugendliebe; Wildenbruch,—Neid. Exercises in conversation and composition, based on the texts read and on an elementary manual. SECTION 1, *Mon., Wed., Fri., at 11*; SECTION 2, *Tu., Th., Sat., at 11*. 15 F. H. DR. CURTS. (X.)

Candidates for the degree of B. S. are required to complete the equivalent of I. and II. German, as well as I. and II. French. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. INTERMEDIATE GERMAN. Fouqué,—Undine; Schiller,—Die Jungfrau von Orleans, Wilhelm Tell; E. T. A. Hoffmann,—Meister Martin der Kufner; Goethe,—Hermann und Dorothea; von Sybel,—Die Erhebung Europas. A part of this reading is done at sight. One hour a week throughout the year is devoted to a review of elementary grammar, with paraphrases and prose composition. A considerable part of the class exercises are conducted in German. Text-books,—Thomas's Practical German Grammar; Pope's German Composition. SECTION 1 (Sophomores), *Tu., Th., Sat., at 8*. PROFESSOR FIFE and DR. CURTS. SECTION 2 (Freshmen), *Mon., Wed., Fri., at 12*. DR. CURTS. 15 F. H. (VII.)

Course II. is elective for those who have taken Course I.

* III.¹ GERMAN CONVERSATION AND GERMAN DAILY LIFE. The aim of this course is to train the student in familiar and colloquial German in speech and writing. Practice in conversation and composition based on Bacon's *Im Vaterland* and R. Kron's *German Daily Life*. Lectures and pictures illustrating German life and institutions. All class exercises are conducted in German. *Tu., Th., at 12 (first half-year)*. 39 F. H. PROFESSOR FIFE. (XI.)

Course III. is elective, with the permission of the instructor, for those who have taken Courses I. and II.

† On leave of absence, second half-year.

IV. THE CLASSICAL PERIOD. Lessing, Goethe, and Schiller are taken up in the order named, and a brief study is made of the life of each, based on lectures, accompanied by parallel readings from their works. Regular written themes form a part of the course. During the current year the following are read in class: Lessing,—*Minna von Barnhelm*; Goethe,—*Götz von Berlichingen*, *Faust I.*, *Lyrics*; Schiller,—*Wallenstein* (all parts). *Mon., Wed., Fri., at 9.* 39 F. H. PROFESSOR FIFE and DR. CURTS. (II.)

Course IV. is elective for those who have taken Courses I. and II.

V.¹ NINETEENTH CENTURY DRAMA. Rapid readings from dramatic masterpieces by Kleist, Grillparzer, Hebbel, and Hauptmann, with lectures on the development of the German drama in the nineteenth century, and written themes. *Tu., Th., Fri., at 3 (first half-year).* 39 F. H. DR. CURTS. (XII.)

[VI.¹ THE GERMAN NOVELLE. The development of this peculiarly German form of narrative literature is traced from the Romantic period through the nineteenth century. Rapid readings from E. T. A. Hoffmann, Tieck, Eichendorff, Mörike, Keller, Storm, Heyse, K. F. Meyer, and Rosegger. A part of this reading is done outside of class and is made the subject of written themes. The first work read is E. T. A. Hoffmann, —*Das Fräulein von Scudéry*. *Three times a week (first half-year).* DR. CURTS.]

[VII.² HEINRICH HEINE. A study of the poet's life and works, with rapid readings from his lyrics and prose. A part of this reading is done as collateral, with written themes. *Three times a week (second half-year).* DR. CURTS.]

[VIII.² HISTORICAL AND CRITICAL PROSE. Rapid readings in contemporary German historians and essayists. The course is designed as a further introduction to German culture, as well as an aid to those who desire greater proficiency in reading contemporary German prose. *Three times a week (second half-year).* DR. CURTS.]

Courses V., VI., VII., and VIII., each of which is given in alternate years only, are elective for those who have taken

Courses I. and II. Courses VI., VII., and VIII. are omitted the present year.

* IX.¹ GERMAN PROSE COMPOSITION AND ADVANCED GRAMMAR. This course begins with an intensive review of the elementary phonology and forms of the language, followed by a study of German syntax, and an introduction to historical grammar. Regular class exercises in German prose composition, supplemented by original themes. This course is intended especially for those preparing to teach German. Thomas's German Grammar, Curme's German Grammar, Whitney and Stroebe's Advanced Prose Composition. *Mon., Wed., at 10 (first half-year)*. 36 F. H. PROFESSOR FIFE. (III.)

Course IX. is elective, with the permission of the instructor, for those who have taken Courses I.-III.

[X.² HISTORY OF GERMAN LITERATURE, I. From the earliest beginnings to the end of the sixteenth century. A course of lectures, supplemented by parallel readings from an anthology and by themes. All lectures and class exercises are conducted in German. *Three times a week (second half-year)*. PROFESSOR FIFE.]

XI.² HISTORY OF GERMAN LITERATURE, II. From the beginning of the seventeenth century to the present time. A course of lectures, supplemented by parallel readings and by themes. All class exercises are conducted in German. *Tu., Th., Sat., at 9 (first half-year)*. 39 F. H. PROFESSOR FIFE. (VIII.)

Courses X. and XI., which are given in alternate years, are elective for those who have taken Courses I. and II., and who have taken, or are taking, Course III. Course X. is omitted the present year.

[XII.¹ MIDDLE HIGH GERMAN. The course is a brief introduction to the early classical period, and is literary rather than linguistic in its aims. Wright's Middle High German Primer. Readings from Hartmann von Aue's *Der arme Heinrich*, the *Nibelungenlied* (Bartsch's edition), and *Walther von der Vogelweide* (Bartsch's edition). *Twice a week (first half-year)*. PROFESSOR FIFE.]

Course XII. is elective for those who have taken Courses I.-III. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses IX.-XII. are intended as an introduction to graduate work, and may, with additional requirements, be taken as graduate courses. Further graduate instruction may be arranged for through private conference.

ROMANCE LANGUAGES.

PROFESSOR KUHN; MR. GRAVES.

I. ELEMENTARY FRENCH. Fraser and Squair's French Grammar, Part I. Kuhns's French Reading for Beginners. Erckmann-Chatrian,—Madame Thérèse; About,—Le Roi des Montagnes. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., Wed., Fri., at 10*; SECTION 2, *Tu., Th., Sat., at 11.* 14 F. H. MR. GRAVES. (III.)

Candidates for the degree of B. S. must complete the equivalent of I. and II. French, as well as I. and II. German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. INTERMEDIATE FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight-reading in class, and for each half-year collateral reading is given to be prepared by the student himself for examination. On Tuesdays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. SECTION 1, *Tu., Th., Sat., at 8.* 14 F. H. SECTION 2, *Tu., at 8.* 39 F. H. *Th., Sat., at 9.* 14 F. H. PROFESSOR KUHN and MR. GRAVES. (VII.)

Course II. is elective for those who have taken Course I.

*III. FRENCH CONVERSATION. The object of this course is to give practice in speaking and hearing French. During the year several informal lectures on travel in Europe are given in French. These lectures are illustrated by lantern slides. *Mon., at 10.* 39 F. H. PROFESSOR KUHNS. (III.)

Course III. is elective, with the permission of the instructor, for those who have taken, or are taking, Course II.

*IV. MODERN FRENCH LITERATURE. French literature in the seventeenth, eighteenth, and nineteenth centuries. The masterpieces of Corneille, Racine, Molière, Boileau, La Fontaine, Rousseau, Chateaubriand, Lamartine, Alfred de Musset, Victor Hugo, Balzac, and others are read and discussed in French, but not translated. Frequent lectures are given by the instructor on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. At each recitation translation from English into French is made. In addition, each member of the class must make, twice during the year, a more extensive study of some one particular writer. *Tu., Th., at 10.* 39 F. H. PROFESSOR KUHNS. (IX.)

Course IV. is elective, with the permission of the instructor, for those who have taken, or are taking, Course III.

V. OLD FRENCH. The work for the current year consists in the translation of Old French texts, and the study of Old French literature, with special reference to its influence on the literatures of the other nations of Western Europe. Lectures and collateral readings form part of the work. *Mon., at 8 (counting as two hours a week).* 39 F. H. PROFESSOR KUHNS. (I.)

Course V. is elective for those who have taken Courses I.-IV.

*VI. FRENCH SEMINARY. This course is especially designed to meet the needs of those who intend to teach French. It includes the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. *Wed., at 8.* 39 F. H. PROFESSOR KUHNS. (I.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

[VII. **ELEMENTARY ITALIAN.** Italian Principia, I. De Amicis,—Cuore; Pellico,—Le Mie Frigioni. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the *Inferno* and the *Purgatorio* of Dante, the last half-hour of each recitation being devoted to this exercise. As a preparation for this part of the work, the class is required to read Gardner's Dante. *Twice a week.* PROFESSOR KUHN'S.]

Course VII. is elective for Sophomores who have taken I. French. It is omitted the present year.

VIII. **ADVANCED ITALIAN.** Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Wed., Fri., at 10.* 39 F. H. PROFESSOR KUHN'S. (III.)

Course VIII. is elective for those who have taken Course VII.

IX. **DANTE IN ENGLISH.** The *New Life* and the *Divine Comedy* are read in English translations. The instructor interprets these books in the light of the history, science, theology, and philosophy of the Middle Ages, comparing Dante with Homer, Shakespeare, and other world-poets, and showing his influence on modern thought, art, and literature. *Th., at 8.* 39 F. H. PROFESSOR KUHN'S. (VII.)

Course IX. is elective for Sophomores.

X. **ELEMENTARY SPANISH.** Grammar, and reading of simple Spanish prose. *Mon., Fri., at 2.* 15 F. H. MR. GRAVES.

Course X. is elective for Sophomores who have taken I. French.

[XI. **ADVANCED SPANISH.** The chief emphasis in this course is laid on the *Don Quijote* of Cervantes. *Twice a week.* MR. GRAVES.]

Course XI. is elective for those who have taken Course X. It is omitted the present year.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

I. GENERAL INTRODUCTION TO ENGLISH LITERATURE. 1. An outline of the history of the literature. Stopford Brooke's English Literature, with lectures. *First half-year.*

2. Class-room reading and discussion of literary masterpieces, illustrative of different varieties and periods of English literature. The works selected are: Chaucer's Prologue to the Canterbury Tales, and the Nonne Preestes Tale; Shakespeare's Hamlet; Milton's minor poems. *Second half-year.*

3. A brief course of collateral reading, with written recitations and essays upon subjects drawn from the reading. Members of the class choose one of the courses in Winchester's Five Short Courses of Reading in English Literature. These courses consist of selections from the following authors:

(1) 1559-1674. Marlowe, Green, Shakespeare, Bacon, Milton.

(2) 1660-1745. Dryden, Addison, Steele, Swift; with Johnson's Lives of Dryden, Swift, and Pope, and Thackeray's Lectures on the English Humourists.

(3) 1745-1789. Gray, Goldsmith, Johnson, Burke, Cowper, Burns; with Leslie Stephen's Life of Johnson, Dobson's Life of Goldsmith, Morley's Life of Burke.

(4) 1789-1832. Wordsworth, Coleridge, De Quincey, Lamb, Byron, Shelley, Keats.

(5) 1832-1880. Carlyle, Ruskin, Matthew Arnold, Browning, Tennyson. *Mon., Wed., at 12.* 14 F. H. (V.)

Course I. is elective for Sophomores.

II. SIX PLAYS OF SHAKESPEARE. *Mon., Wed., Fri., at 9.* 14 F. H. (II.)

[III. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Arnold, Tennyson, Browning. *Three times a week.*]

[IV. ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Three times a week.*]

Courses II., III., and IV. are elective for those who have taken Course I. Courses III. and IV. are omitted the present year.

[*V. NEW ENGLAND LITERATURE, 1835-1885. Emerson, Longfellow, Lowell, Hawthorne, Whittier, Holmes. *Twice a week.*]

*VI. LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Bolingbroke, Pope. *Mon., Wed., at 11.* 23 F. H. (IV.)

[*VII. ESSAYISTS AND REVIEWERS OF THE EARLY NINETEENTH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Wilson, Hunt. *Twice a week.*]

Courses V., VI., and VII. are elective, with the permission of the instructor, for those who have taken Course I., either Course II., Course III., or Course IV., and Course VIII. Courses V. and VII. are omitted the present year.

VIII. ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's Principles of Literary Criticism is used as a textbook. *Fri., at 11.* 29 F. H. (IV.)

Course VIII. is elective for those who have taken Course I.

A course in Public Speaking, elective for Seniors, is given under the direction of Professor Winchester and Mr. Wetzel. (See page 66.)

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD; MR. GILLET.

I. ENGLISH COMPOSITION. A. Rhetoric. Espenshade's Composition and Rhetoric; Woolley's Handbook of Composition. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also at hours appointed by the instructor.

B. Reading. A book of exemplary and illustrative readings to be studied in class and to furnish models of practice in the various types of writing. The members of the class are also required to write essays on a number of longer complete works of literature read outside of class. SECTION 1, *Tu., Th., at 8.* SECTION 2, *Wed., Fri., at 10.* 29 F. H. SECTION 3, *Wed., Fri., at 11.* 39 F. H. MR. GILLET. (IV.)

Course I. is required of Freshmen. It counts as *three hours* a week for the year.

II. ENGLISH COMPOSITION. Sophomores are required to write six essays on subjects approved by the instructor. All the written work receives the personal attention of the instructor, and appointments for individual criticism are made for each member of the class. All essays are required to conform in details to the precepts laid down in Woolley's Handbook of Composition. PROFESSOR MEAD.

The essays of Sophomore year are rated as the equivalent of one hour's work per week for the year; this hour is included in the minimum quota (15) prescribed for the year.

[III. THE ENGLISH ESSAY. A course in the development and types of the essay in English from both the literary and the rhetorical points of view. Bronson's English Essays, supplemented by lectures, class-room discussions, written reports on assigned collateral reading, and occasional essays modeled, so far as is practicable, after the forms and styles studied. *Twice a week.* MR. GILLET.]

Course III. is elective for Juniors, and for Sophomores with the permission of the instructor. It is omitted the present year.

IV. ADVANCED ENGLISH COMPOSITION. A study of various types of composition, with constant practice in theme-writing. The written work is criticised in the class-room, and also at hours appointed by the instructor for personal conference. *Mon., Wed. at 3.* 29 F. H. PROFESSOR MEAD. (VI.)

Course IV. is elective for Juniors.

V. OLD ENGLISH (Anglo-Saxon). This course is of fundamental importance as an introduction to the study of the English language and Early English literature. The principal reading at the outset is in Bright's edition of *The Gospel of St. John in West Saxon*. The grammar is drawn from Bright's *Anglo-Saxon Reader*, with copious illustrations and explanations based upon the texts read. The reading of the second half-year is mainly in Old English poetry and in prose illustrating important periods of Old English history. A lecture once a week, with a reading of Skeat's *Primer of English Etymology*, explains in detail the relations of the Old English language to modern English. *Tu., Th., at 12; Fri., at 11.* 29 F. H. PROFESSOR MEAD. (XI.)

Course V. is elective for Sophomores.

VI. THE AGE OF CHAUCER. A study of fourteenth century literary and social life as reflected in Chaucer's *Canterbury Tales*, *Piers the Plowman*, and the verse romances. Lectures discussing typical aspects of social, religious, industrial, and court life, with assigned readings, brief papers, and class discussions. *Tu., Th., at 3.* 29 F. H. PROFESSOR MEAD. (XII.)

Course VI. is elective for Juniors.

VII. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course is to show in lectures and class discussions how English life and culture are illustrated by changes in the meaning of words since the Norman Conquest. Special attention is given to the languages that have contributed most to

English. As far as possible the work is made practical, with a view to the enlargement of the student's vocabulary. The collateral work involves the use of various books of reference, and in particular of Krapp's Modern English, Trench's English Past and Present, and Skeat's Concise Etymological Dictionary. *Tu., Th., at 11.* 29 F. H. PROFESSOR MEAD. (X.)

Course VII. is elective for Juniors.

[VIII. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's Idylls of the King, Swinburne's Tale of Balen, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. *Twice a week.* PROFESSOR MEAD.]

Course VIII. is elective for Juniors. It is omitted the present year.

[IX. ENGLISH FICTION. The historical development of the novel, with a brief introductory study of the theory of narrative composition. Perry,—A Study of Prose Fiction; Cross,—Development of the English Novel. Lectures, assigned readings, class papers, and discussions. *Twice a week.* PROFESSOR MEAD.]

Course IX. is elective for Juniors. It is omitted the present year.

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

PUBLIC SPEAKING.

MR. WETZEL.

Instruction in the course in public speaking is given in three sections, one for each of the three upper classes. The courses are so arranged as to give the student a systematic and progressive course of training in the art of oral expression and delivery.

A. SOPHOMORES. Special attention is given to vocal training, pronunciation, and articulation. This course includes systematic practice in oral expression and delivery, with special reference to the principles of gesture and to the fundamental characteristics of expression, viz.: pause, touch, pitch, inflection, movement, and tone-color. *Sat., at 9.* 13 F. H.

B. JUNIORS. Oral and gestural expression of selections from Browning and Shakespeare, with special reference to the theory and art of vocal interpretation and the development of the dramatic instinct (*first ten weeks*). The study of forensic oratory, with systematic practice in debate (*second ten weeks*). *Sat., at 10.* 13 F. H.

C. SENIORS. A course in the composition and delivery of the different forms of public address. The student is required to deliver one original speech before the class each month. These are criticised by Professor Winchester before being delivered. *Sat., at 11.* 13 F. H.

These courses meet once a week for twenty weeks. Courses A and B count half-an-hour, Course C one hour, for the year.

HISTORY.

PROFESSOR DUTCHER.

I. ENGLISH HISTORY. From the earliest times to the present day. Tout's Advanced History of Great Britain is used as the text-book, and there is required, in addition, the reading of Wakeman's Introduction to the History of the Church of England, Cheyney's Introduction to the Industrial and Social History of England, Montague's Elements of English Constitutional History, and a few selections from Adams and Stephens's Select Documents of English Constitutional History, and from Lowell's Government of England. Lectures and assigned work. *Mon., Wed., Fri., at 8.* 15 F. H. (I.)

Course I. is elective for Sophomores, and for Freshmen who have credit for one unit in history on admission. Those intending to elect the later courses in history should elect Course I. not later than the Sophomore year.

Students electing history as their major study must take Course I. not later than the Sophomore year. Students may then elect to make their major work in either American or European History, and must complete the minimum of nine hours required for a major in this department by taking either Courses II. and III., or Courses IV. and V.

[II. AMERICAN COLONIAL HISTORY, 1492-1789. Channing's History of the United States, Hart's Formation of the Union, MacDonald's Select Charters. Lectures and assigned work. *Three times a week.*]

Course II. is elective for those who have taken I. History or I. Economics.

III. UNITED STATES HISTORY, 1789-1865. Hart's Formation of the Union, Wilson's Division and Reunion, MacDonald's Select Documents of United States History. Lectures and assigned work. *Mon., Wed., Fri., at 12.* 11 F. H. (V.)

Course III. is elective for those who have taken I. History or I. Economics. Courses II. and III. are given in alternate years, Course II. being omitted the present year.

IV. EUROPEAN HISTORY, 300-1600. West's Ancient World, Hassall's Periods of European History, vols. 1-4. Lectures and assigned work. *Mon., Wed., Fri., at 10.* 11 F. H. (III.)

Course IV. is elective for those who have taken any one of Courses I., II., and III.

[V. EUROPEAN HISTORY, 1600-1890. Hassall's Periods of European History, vols. 5-8. Lectures and assigned work. *Three times a week.*]

Course V. is elective for those who have taken any one of Courses I., II., and III. Courses IV. and V. are given in alternate years, Course V. being omitted the present year.

Ability to read historical works in either French or German is highly desirable for those electing Courses IV. and V., but is not required.

*III. HISTORY SEMINARY. Subject for the current year: The history of the United States during the period of reconstruction beginning in March 1863. This course is intended to afford training in the oral method. Topics for individual research and reports are regularly assigned, and the work of the student is subject to the constant supervision and criticism of the instructor. At the close of the course, each student is required as a test of his ability to do historical research and to present his results in a correct and forceful manner, to prepare an essay or thesis of considerable length upon some topic studied in the course. *Days: Tue. 9. m., Wed. and second Thurs. following at 10. m. during the year.* 10 F. H.

Course VI is elective with the permission of the instructor, for Seniors who have shown in earlier courses in the department ability to do advanced work in history.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Lectures and discussions. *Tu., Th., at 9. 15 F. H.* (VIII.)

Course I. is elective for Juniors; with the permission of the instructor, it may be taken by Sophomores.

II. ADVANCED ECONOMICS. This course includes a brief historical view, on the basis of Ingram's History of Political Economy, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Mon., Wed., at 11. 12 F. H.* (IV.)

Course II. is elective for those who have taken Course I. It is given in alternate years with Course III.

[III. PUBLIC FINANCE. The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based

on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Twice a week.*]

Course III. is elective for those who have taken Course I. It is given in alternate years with Course II., and is omitted the present year.

[IV. 1. THE TRUST PROBLEM. A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 2. MONEY AND BANKING. A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the various schemes for reform. 3. THE TARIFF. A study of the theory of protective customs duties and of the history of tariffs in America. *Twice a week.*]

Course IV. is elective for those who have taken Course I. It is given in alternate years with Course V., and is omitted the present year.

V. THE GENERAL LABOR PROBLEM. A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations, strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Tu., Th., at 11.* 11 F. H. (X.)

Course V. is elective for those who have taken Course I. It is given in alternate years with Course IV.

VI. SOCIOLOGY. A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Tu., Th., at 12.* 11 F. H. (XI.)

Course VI. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VII.

[VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the

defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Twice a week.*]

Course VII. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VI., and is omitted the present year.

***VIII. ECONOMICS SEMINARY.** Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. For the current year the topics are related to the problems of labor. *Mon., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV. must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is also open to such undergraduates as are making special studies in the department. Courses II.-VII., while intended primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

PHILOSOPHY.

PROFESSORS ARMSTRONG AND DODGE.

I. ELEMENTARY COURSE. 1. PSYCHOLOGY. Lectures and recitations, based on Sully's *Outlines of Psychology* and other standard authorities. SECTION 1, *Mon., Wed., at 11*; SECTION 2, *Mon., Fri., at 11 (first half-year)*. 14 and 28 F. H. PROFESSOR ARMSTRONG. 2. LOGIC. Jevons-Hill's *Elements of Logic*. An elementary course in the fundamental forms of reasoned thinking, deductive and inductive alike. SECTION 1, *Mon., Wed., at 11*; SECTION 2, *Tu., Th., at 10 (second half-year)*. 28 F. H. PROFESSOR DODGE. (IV.)

Course I. is elective for Sophomores. It is preparatory to all later work in the department, and it should therefore be taken as early as convenient by all students who plan to elect their major studies in this department, or in the department of Ethics and Religion.

II. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY. Lectures and class demonstrations, with collateral reading. The course opens with an account of the structure and operation of the nervous system, and the interrelation between mind and body. It includes experimental discussions of the elementary psycho-physical processes and of some of the more complex processes, as time and space, the geometrical illusions, language, motor organization, mental hygiene, instinct, habit, and reaction. *Mon., Wed., Fri., at 12*. 22 F. H. PROFESSOR DODGE. (V.)

Course II. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

III. ADVANCED PSYCHOLOGY. Lectures and collateral reading. Part I. A systematic general account of the emotions and the will. Part II. A more detailed account of special phenomena, including anger, fear, the tender emotions, sympathy, the aesthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Tu., Th., Sat., at 9 (first half-year)*. 22 F. H. PROFESSOR DODGE. (VIII.)

Course III. is elective for those who have taken Course I.

[IV. EDUCATIONAL PSYCHOLOGY. Lectures, reports, and required readings constituting a systematic discussion of the laws of mental development and the psychological basis of educational theory and practice. In conjunction with Course I in philosophy, this course is planned to meet the requirements in educational psychology of those states and cities which demand the professional training of teachers, but it is also intended to serve the needs of those whose interest in the psychological problems of education is non-professional. *Twice a week.* PROFESSOR DOUGER.]

Course IV. is elective for those who have taken Course I. It is omitted the present year.

* V. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. *Once a week.* 22 F. H. PROFESSOR DOUGER.

Course V. is elective, with the permission of the instructor, for those who have taken Course II.

VI.¹ ADVANCED LOGIC. Hibben's Inductive Logic. A systematic discussion of the origin, the forms, and the limitations of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and scientific evidence are analyzed and the practical limits of proof are discussed. *Tu., Th., at 11 (first half-year).* 24 F. H. PROFESSOR DOUGER. (X.)

Course VI. is elective for those who have taken Course I.

[VII.¹ INTRODUCTION TO PHILOSOPHY. Lectures and recitations, with references to the Introductions of Stuckenborg, Jaegg, Külpe, and Paulsen. *Twice a week (first half-year).* PROFESSOR ARMSTRONG.]

Course VII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year. It is omitted the present year.

VIII.² ANCIENT AND MEDIAEVAL PHILOSOPHY. Zeller's Outlines of Greek Philosophy, with references to Schwegler,

Zeller's larger work, and other authorities; lectures and discussions. *Tu., Th., at 11 (second half-year)*. 28 F. H. PROFESSOR ARMSTRONG. (X.)

Course VIII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

IX.¹ MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other standard histories of philosophy. *Mon., Wed., Fri., at 10 (first half-year)*. 24 F. H. PROFESSOR ARMSTRONG. (III.)

Course IX. is elective, under ordinary circumstances, for those who have taken Course VIII.

X.² MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other authorities. In the later part of the course special consideration is given to contemporary English and American philosophy. *Mon., Wed., Fri., at 10 (second half-year)*. 24 F. H. PROFESSOR ARMSTRONG. (III.)

Course X. is elective for those who have taken Course IX.

*XI. PHILOSOPHICAL SEMINARY. Readings in modern philosophy, with especial attention to selections from the classical writers. Reports and theses may be required. *Th., 7:30-9 p. m., counting as two hours for the year*. 24 F. H. PROFESSOR ARMSTRONG.

Course XI. is elective, with the permission of the instructor, for those who are taking Courses IX. and X.

GRADUATE INSTRUCTION.

Courses III., V., and IX.-XI. are intended for advanced undergraduates and graduates. Special courses for graduate students, under the direction of the instructors of the department, may be arranged in advanced experimental and theoretical psychology, historical philosophy, and metaphysics.

ETHICS AND RELIGION.

PROFESSOR RICE; PROFESSOR RAYMOND (*Emeritus*); DR. BEARDSLEE;
DR. GILLETT.

I.² ETHICS. Studies in the history of ethics by lectures, assigned readings, and class-room conferences, with a view to defining the leading themes and theories of historical ethical thought, and to guiding individual judgment and choice among the problems of the moral world. *Tu., Th., at 3 (second half-year).* 15 F. H. DR. BEARDSLEE. (XII.)

Course I. is elective for Seniors.

II.¹ EVIDENCES OF CHRISTIANITY. Lectures and recitations, with collateral readings, digests of the same, and papers on assigned topics. *Th., Sat., at 10 (first half-year).* 15 F. H. DR. GILLETT. (IX.)

Course II. is elective for Seniors.

[*III.² THRISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year).*]

Course III. is elective, with the permission of the instructor, for those who have taken IX. Philosophy. It is omitted the present year.

IV.¹ ENGLISH BIBLE, NEW TESTAMENT. A study of St. Paul's letters. This course is chiefly a lecture course. It aims to give an account of Paul's conceptions of Christianity, in the light of contemporary thought, and of his religious experience. An analysis of the several letters studied is required. Text-book: *The Records and Letters of the Apostolic Age*, by Burton. *Twice a week (first half-year).*]

Course IV. is elective for Seniors. It is omitted the present year.

[V.² ENGLISH BIBLE, OLD TESTAMENT. The course begins with the eighth century B. C., and deals with the development of prophecy. It is a lecture course, and is supplemented by an analysis of the books studied, and by papers on assigned topics. *Twice a week (second half-year).*]

Course V. is elective for Seniors. It is omitted the present year.

[VI.² RELATIONS OF SCIENCE AND RELIGION. Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the correlation of physical and vital forces, and the theory of evolution are among the topics discussed. Rice's *Christian Faith in an Age of Science* is used as a text-book. *Twice a week (second half-year).* PROFESSOR RICE.]

Course VI. is elective for Juniors. It is omitted the present year.

MATHEMATICS AND ASTRONOMY.

PROFESSOR VAN VLECK (*Emeritus*); ASSOCIATE PROFESSORS HOWLAND AND CAMP; DR. LAMOND.

I.¹ SOLID GEOMETRY. *Mon., Wed., Fri., at 9 (first half-year).* 25 and 26 O. H., and 15 F. H. PROFESSORS HOWLAND and CAMP, and DR. LAMOND. (II.)

Course I. is elective for Freshmen.

II. TRIGONOMETRY. *Tu., Th., Sat., at 9.* 25 and 26 O. H. PROFESSORS HOWLAND and CAMP, and DR. LAMOND. (VIII.)

Course II. is elective for Freshmen. It is given both half-years.

III.² ANALYTIC GEOMETRY. *Mon., Wed., Fri., at 9 (second half-year).* 25 and 26 O. H. PROFESSOR HOWLAND and DR. LAMOND. (II.)

Course III. is elective for those who have taken Course II.

*VI. HISTORY SEMINARY. Subject for the current year: The history of the United States during the period of reconstruction (beginning in March, 1869). This course is intended to afford training in historical method. Topics for individual research and report are regularly assigned, and the work of the student is subject to the constant supervision and criticism of the instructor. At the close of the course, each student is required, as a test of his ability to do historical research and to present his results in a correct and lucid manner, to prepare an essay or thesis of considerable length upon some topic studied in the course. *Wed., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H.

Course VI. is elective, with the permission of the instructor, for Seniors who have shown, in earlier courses in the department, ability to do advanced work in history.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Recitations and discussions. *Tu., Th., at 9.* 15 F. H. (VIII.)

Course I. is elective for Juniors; with the permission of the instructor, it may be taken by Sophomores.

II. ADVANCED ECONOMICS. This course includes a brief historical view, on the basis of Ingram's History of Political Economy, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Mon., Wed., at 11.* 12 F. H. (IV.)

Course II. is elective for those who have taken Course I. It is given in alternate years with Course III.

[III. PUBLIC FINANCE. The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based

on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Twice a week.*]

Course III. is elective for those who have taken Course I. It is given in alternate years with Course II., and is omitted the present year.

[IV. 1. THE TRUST PROBLEM. A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 2. MONEY AND BANKING. A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the various schemes for reform. 3. THE TARIFF. A study of the theory of protective customs duties and of the history of tariffs in America. *Twice a week.*]

Course IV. is elective for those who have taken Course I. It is given in alternate years with Course V., and is omitted the present year.

V. THE GENERAL LABOR PROBLEM. A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations, strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Tu., Th., at 11.* 11 F. H. (X.)

Course V. is elective for those who have taken Course I. It is given in alternate years with Course IV.

VI. SOCIOLOGY. A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Tu., Th., at 12.* 11 F. H. (XI.)

Course VI. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VII.

[VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the

defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Twice a week.*]

Course VII. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VI., and is omitted the present year.

*VIII. ECONOMICS SEMINARY. Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. For the current year the topics are related to the problems of labor. *Mon., 7-10 p. m. (first and second terms), counting as two hours for the year. 10 F. H.*

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV. must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is also open to such undergraduates as are making special studies in the department. Courses II.-VII., while intended primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

PHILOSOPHY.

PROFESSORS ARMSTRONG AND DODGE.

I. ELEMENTARY COURSE. 1. PSYCHOLOGY. Lectures and recitations, based on Sully's Outlines of Psychology and other standard authorities. SECTION 1, *Mon., Wed., at 11*; SECTION 2, *Mon., Fri., at 11 (first half-year)*. 14 and 28 F. H. PROFESSOR ARMSTRONG. 2. LOGIC. Jevons-Hill's Elements of Logic. An elementary course in the fundamental forms of reasoned thinking, deductive and inductive alike. SECTION 1, *Mon., Wed., at 11*; SECTION 2, *Tu., Th., at 10 (second half-year)*. 28 F. H. PROFESSOR DODGE. (IV.)

Course I. is elective for Sophomores. It is preparatory to all later work in the department, and it should therefore be taken as early as convenient by all students who plan to elect their major studies in this department, or in the department of Ethics and Religion.

II. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY. Lectures and class demonstrations, with collateral reading. The course opens with an account of the structure and operation of the nervous system, and the interrelation between mind and body. It includes experimental discussions of the elementary psycho-physical processes and of some of the more complex processes, as time and space, the geometrical illusions, language, motor organization, mental hygiene, instinct, habit, and reaction. *Mon., Wed., Fri., at 12*. 22 F. H. PROFESSOR DODGE. (V.)

Course II. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

III.¹ ADVANCED PSYCHOLOGY. Lectures and collateral reading. Part I. A systematic general account of the emotions and the will. Part II. A more detailed account of special phenomena, including anger, fear, the tender emotions, sympathy, the aesthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Tu., Th., Sat., at 9 (first half-year)*. 22 F. H. PROFESSOR DODGE. (VIII.)

Course III. is elective for those who have taken Course I.

[IV. EDUCATIONAL PSYCHOLOGY. Lectures, reports, and required readings, constituting a systematic discussion of the laws of mental development and the psychological basis of educational theory and practice. In conjunction with Course I. in philosophy, this course is planned to meet the requirements in educational psychology of those states and cities which demand the professional training of teachers, but it is also intended to serve the needs of those whose interest in the psychological problems of education is non-professional. *Twice a week.* PROFESSOR DODGE.]

Course IV. is elective for those who have taken Course I. It is omitted the present year.

*V. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. *Once a week.* 22 F. H. PROFESSOR DODGE.

Course V. is elective, with the permission of the instructor, for those who have taken Course II.

VI.¹ ADVANCED LOGIC. Hibben's Inductive Logic. A systematic discussion of the origin, the forms, and the limitations of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and scientific evidence are analyzed and the practical limits of proof are discussed. *Tu., Th., at 11 (first half-year).* 24 F. H. PROFESSOR DODGE. (X.)

Course VI. is elective for those who have taken Course I.

[VII.² INTRODUCTION TO PHILOSOPHY. Lectures and recitations, with references to the Introductions of Stuckenbergh, Ladd, Külpe, and Paulsen. *Twice a week (first half-year).* PROFESSOR ARMSTRONG.]

Course VII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year. It is omitted the present year.

VIII.² ANCIENT AND MEDIAEVAL PHILOSOPHY. Zeller's Outlines of Greek Philosophy, with references to Schwegler,

Zeller's larger work, and other authorities; lectures and discussions. *Tu., Th., at 11 (second half-year).* 28 F. H. PROFESSOR ARMSTRONG. (X.)

Course VIII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

IX.¹ MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other standard histories of philosophy. *Mon., Wed., Fri., at 10 (first half-year).* 24 F. H. PROFESSOR ARMSTRONG. (III.)

Course IX. is elective, under ordinary circumstances, for those who have taken Course VIII.

X.² MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME. Falckenberg's History of Modern Philosophy; lectures, recitations, discussions, and references to other authorities. In the later part of the course special consideration is given to contemporary English and American philosophy. *Mon., Wed., Fri., at 10 (second half-year).* 24 F. H. PROFESSOR ARMSTRONG. (III.)

Course X. is elective for those who have taken Course IX.

*XI. PHILOSOPHICAL SEMINARY. Readings in modern philosophy, with especial attention to selections from the classical writers. Reports and theses may be required. *Th., 7:30-9 p.m., counting as two hours for the year.* 24 F. H. PROFESSOR ARMSTRONG.

Course XI. is elective, with the permission of the instructor, for those who are taking Courses IX. and X.

GRADUATE INSTRUCTION.

Courses III., V., and IX.-XI. are intended for advanced undergraduates and graduates. Special courses for graduate students, under the direction of the instructors of the department, may be arranged in advanced experimental and theoretical psychology, historical philosophy, and metaphysics.

ETHICS AND RELIGION.

PROFESSOR RICE; PROFESSOR RAYMOND (*Emeritus*); DR. BEARDSLEE;
DR. GILLETT.

I.² ETHICS. Studies in the history of ethics by lectures, assigned readings, and class-room conferences, with a view to defining the leading themes and theories of historical ethical thought, and to guiding individual judgment and choice among the problems of the moral world. *Tu., Th., at 3 (second half-year).* 15 F. H. DR. BEARDSLEE. (XII.)

Course I. is elective for Seniors.

II.¹ EVIDENCES OF CHRISTIANITY. Lectures and recitations, with collateral readings, digests of the same, and papers on assigned topics. *Th., Sat., at 10 (first half-year).* 15 F. H. DR. GILLETT. (IX.)

Course II. is elective for Seniors.

[*III.² THEISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year).*]

Course III. is elective, with the permission of the instructor, for those who have taken IX. Philosophy. It is omitted the present year.

[IV.¹ ENGLISH BIBLE, NEW TESTAMENT. A study of St. Paul's letters. This course is chiefly a lecture course. It aims to give an account of Paul's conceptions of Christianity, in the light of contemporary thought, and of his religious experience. An analysis of the several letters studied is required. Text-book: *The Records and Letters of the Apostolic Age*, by Burton. *Twice a week (first half-year).*]

Course IV. is elective for Seniors. It is omitted the present year.

[V.² ENGLISH BIBLE, OLD TESTAMENT. The course begins with the eighth century B. C., and deals with the development of prophecy. It is a lecture course, and is supplemented by an analysis of the books studied, and by papers on assigned topics. *Twice a week (second half-year).*]

Course V. is elective for Seniors. It is omitted the present year.

[VI.² RELATIONS OF SCIENCE AND RELIGION. Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the correlation of physical and vital forces, and the theory of evolution are among the topics discussed. Rice's *Christian Faith in an Age of Science* is used as a text-book. *Twice a week (second half-year).* PROFESSOR RICE.]

Course VI. is elective for Juniors. It is omitted the present year.

MATHEMATICS AND ASTRONOMY.

PROFESSOR VAN VLECK (*Emeritus*); ASSOCIATE PROFESSORS HOWLAND AND CAMP; DR. LAMOND.

I.¹ SOLID GEOMETRY. *Mon., Wed., Fri., at 9 (first half-year).* 25 and 26 O. H., and 15 F. H. PROFESSORS HOWLAND and CAMP, and DR. LAMOND. (II.)

Course I. is elective for Freshmen.

II. TRIGONOMETRY. *Tu., Th., Sat., at 9.* 25 and 26 O. H. PROFESSORS HOWLAND and CAMP, and DR. LAMOND. (VIII.)

Course II. is elective for Freshmen. It is given both half-years.

III.² ANALYTIC GEOMETRY. *Mon., Wed., Fri., at 9 (second half-year).* 25 and 26 O. H. PROFESSOR HOWLAND and DR. LAMOND. (II.)

Course III. is elective for those who have taken Course II.

In fulfilment of the requirements for the degree of B. S. a candidate must present on admission, or take in Freshman year, two of the following subjects:—Solid Geometry, Trigonometry, Analytic Geometry. As a substitute for any one of them, except Trigonometry, he may offer Advanced Algebra on admission.

IV. TRIGONOMETRY—with applications. A practical course, including spherical trigonometry, surveying, the theory and use of chain, tape, compass, level, transit, and sextant. Field-work in fall and spring. *Tu., Th., at 8, and two hours of field-work, four hours counting as two.* 26 O. H. DR. LAMOND.

(VII.)

Course IV. is elective for those who have taken Course II.

V.¹ ALGEBRA. An elementary college course, including the following topics: mathematical induction, probability, series, undetermined coefficients, determinants, Horner's method, etc. *Mon., Wed., Fri., at 11 (first half-year).* 25 O. H. PROFESSOR CAMP.

(IV.)

Course V. is elective for those who have taken Course III.

VI.² ANALYTIC GEOMETRY. Advanced course, beginning with a review of Course III., and extending into the subject of solid analytic geometry. *Mon., Wed., Fri., at 11 (second half-year).* 25 O. H. DR. LAMOND.

(IV.)

Course VI. is elective for those who have taken Course III.

Students are advised to take Courses V. and VI. the same year.

VII. DIFFERENTIAL AND INTEGRAL CALCULUS. Elementary course. *Mon., Wed., Fri., at 8.* 26 O. H. PROFESSOR HOWLAND.

(I.)

Course VII. is elective for those who have taken Course III.

VIII. DIFFERENTIAL EQUATIONS. An introductory course, with applications to geometry, mechanics and physics. *Tu., Th., at 11.* 26 O. H. PROFESSOR HOWLAND.

(X.)

Course VIII. is elective for those who have taken Course VII.

[IX. MODERN ANALYTIC GEOMETRY. Homogeneous coordinates; the projective properties of conics. *Twice a week.*]

Course IX. is elective for those who have taken Courses V. and VI. It is omitted the present year.

[X. HIGHER ALGEBRA. Introduction to the theory of algebraic forms; symbolic notation; linear transformation; invariants; application to solution of cubic and biquadratic equations; geometric interpretation. PROFESSOR HOWLAND.]

Course X. is elective for those who have taken Courses V., VI., and VII. It is omitted the present year.

[*XI. THE THEORY OF INFINITE SERIES. *Twice a week.* PROFESSOR CAMP.]

Course XI. is elective, with the permission of the instructor, for those who have taken Course III. It is omitted the present year, but will probably be given in 1911-12.

[XII. CALCULUS. A continuation of Course VII. *Twice a week.* PROFESSOR HOWLAND.]

Course XII. is elective for those who have taken Course VII. It is omitted the present year.

[XIII. THEORY OF FUNCTIONS. Elementary course. *Twice a week.* PROFESSOR HOWLAND.]

Course XIII. is elective for those who have taken Course VII. It is omitted the present year.

XIV. MECHANICS. This course is intended partly for students of mathematics, and partly for scientific students who are preparing to study engineering or mathematical physics. Among the topics treated are: the simpler machines, stresses in frames, the suspension bridge, projectiles, central forces, moments of inertia, and the governor. Text-book: Theoretical Mechanics, by Jeans. *Tu., Th., Sat., at 8.* 25 O. H. PROFESSOR CAMP. (VII.)

Course XIV. is elective for those who have taken Course VII. It will probably be omitted in 1911-12.

[XV. METHOD OF LEAST SQUARES. With applications to astronomy and geodesy. *Twice a week.*]

Course XV. is elective for those who have taken Course III. It is omitted the present year.

XVI.¹ DESCRIPTIVE ASTRONOMY. Lectures and recitations. This course is designed to give such a knowledge of the subject as may properly constitute a part of a liberal education. Mathematical topics are eliminated as far as practicable. Opportunities of viewing the principal celestial objects through the telescope are given. Young's Elements of Astronomy is used as a text-book. *Tu., Th., Sat., at 10 (first half-year).* 25 O. H. PROFESSOR CAMP. (IX.)

Course XVI. is elective for those who have taken Course I.

XVII.² PRACTICAL ASTRONOMY. The theory and use of the transit, zenith telescope, sextant, and equatorial. In this course some of the mathematical topics omitted in Course XVI. are considered, but most of the time is devoted to work in the observatory. *Tu., Th., Sat., at 10 (second half-year).* 25 O. H. PROFESSOR CAMP. (IX.)

Course XVII. is elective for those who have taken Courses III. and XVI.

PHYSICS.

PROFESSORS CRAWFORD AND CADY; MR. STEVENS.

NOTE.—Students who receive credit in physics on admission, but who do not take Course I., must give evidence by examination or otherwise of the requisite proficiency before being admitted to any of Courses III-XII.

I. ELEMENTARY PHYSICS. A general course, with experimental illustrations, following Crew's General Physics as a text-book. *Mon., Wed., Fri., at 10.* 34 S. L. PROFESSORS CRAWFORD and CADY. (III.)

Course I. is elective for those who have taken, or are taking, II. Mathematics. Students who have received credit in physics on admission to college, but who elect to take Course I. in class, in order to be allowed to pursue the more advanced courses in the department, will receive credit for *two* hours on their quota toward graduation.

I.A. PROBLEMS IN PHYSICS. This course is supplementary to Course I., and is devoted chiefly to the solution of problems which illustrate the principles involved in that course. *Th., at 8.* 34 S. L. PROFESSORS CRAWFORD and CADY. (VII.)

Course I.A is elective for those who have taken, or are taking, Course I., and who have taken II. Mathematics. It should be taken, if possible, with Course I.

II. ELEMENTARY PRACTICAL PHYSICS. This course is parallel with Course I., and may advantageously be taken with it. It is also required as an introduction to further laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSORS CRAWFORD and CADY.

Course II. is elective for those who have taken, or are taking, Course I., or who have received credit in physics on admission.

[III.¹ PROPERTIES OF MATTER; SOUND. This course is based on Poynting and Thomson's Sound, and is preceded by a short course of lectures on elasticity and surface tension. Numerous experimental demonstrations are introduced, and several two-hour periods of laboratory practice are substituted for the regular lectures. *Three times a week (first half-year).* PROFESSOR CRAWFORD.]

Course III. is elective for those who have taken Course I. It is omitted the present year.

[IV.² LIGHT. Lectures on geometrical optics and the elements of the wave theory of light. Demonstrations and laboratory practice as in Course III. *Three times a week (second half-year).* PROFESSOR CRAWFORD.]

Course IV. is elective for those who have taken Course I., and who have taken, or are taking, VII. Mathematics. It is omitted the present year.

V.¹ HEAT. A general course in the subject, omitting thermo-dynamics, following Poynting and Thomson's Heat. It includes occasional laboratory practice. *Mon., Wed., Fri., at 12 (first half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course V. is elective for those who have taken Course I.

VI.² THERMO-DYNAMICS. A course of lectures, with special application to the steam engine, and involving some elementary exercises in engine-testing. *Mon., Wed., Fri., at 12 (second half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course VI. is elective for those who have taken Course V., and who have taken, or are taking, VII. Mathematics.

VII. APPLICATIONS OF ELECTRICITY AND MAGNETISM. Lectures and demonstrations, based largely upon a text-book. This course treats of the electric and magnetic phenomena in nature; magnetic properties of iron; production and measurement of direct and alternating currents; electrolysis and storage batteries; heat, light, and power; telegraphy and telephony; electric waves; Röntgen rays, radio-activity, and electro-therapy. *Tu., Th., Sat., at 11.* 34 S. L. PROFESSOR CADY. (X.)

Course VII. is elective for those who have taken Course I.

VIII. EXPERIMENTAL ELECTRICITY. Laboratory practice and measurements in electricity and magnetism. Opportunity is afforded for some shop-work, and for practical experience in running an engine and dynamo. Each exercise occupies 2½ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course VIII. is elective for those who have taken Courses I. and II., and who have taken, or are taking, Course VII.

IX. DYNAMOS, MOTORS, AND TRANSFORMERS. Text-book and lectures on the elements of direct-current and alternating-current practice, with laboratory tests by the class. These tests are under the supervision of Mr. Stevens. *Tu., Th., Sat., at 9.* 34 S. L. PROFESSOR CADY. (VIII.)

Course IX. is elective for those who have taken Courses II. and VII., and who have taken, or are taking, VII. Mathematics. It is also advisable to take Course VIII., either before taking this course, or in connection with it.

[X. ADVANCED ELECTRICITY. Text-book and lectures on the elementary mathematical theory of electricity and magnetism. In the second half-year the subject of electrical

oscillations is especially considered, and the work is in part experimental. *Three times a week.* PROFESSOR CADY.]

Course X. is elective for those who have taken VII. Physics and VII. Mathematics. It alternates with Course IX., and is omitted the present year.

XI. PRACTICAL PHYSICS. Careful measurements in mechanics, heat, sound, and light. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSOR CRAWFORD.

Course XI. is elective for those who have taken Course II. In general, those electing it will be expected to have taken also one or more of Courses III.-VII.

XII. ADVANCED EXPERIMENTAL ELECTRICITY. Precise electrical measurements, experimental study of direct-current and alternating-current machinery, and other selected problems in electricity and magnetism. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Fri., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XII. is elective for those who have taken Course VIII., and who have taken, or are taking, either Course IX. or Course X.

GRADUATE INSTRUCTION.

Courses X. and XII. are intended for advanced undergraduates and graduates. Further graduate courses in the various branches of physics may be arranged to meet individual needs.

DESCRIPTIVE GEOMETRY AND MECHANICAL DRAWING.

Lectures and recitations, based on Moyer's Descriptive Geometry, and Adams's Mechanical Drawing, together with practice in the draughting room. Problems in descriptive geometry are taken up relating to points, lines, planes, and surfaces, their intersections and developments, etc. The course includes also the care and use of drawing instruments, mechanical drawing from objects, sketching, lettering, dimensioning, isometric projection, etc. *Six of the following hours:*

Mon., Wed., Fri., at 10; Mon., Wed., Fri., at 11; Sat., at 8; Sat., at 9. The choice must include Mon., Wed., at 10. Counting as three hours for the year. 40 S. L. MR. STEVENS. (III.)

This course is elective for those who have taken I. Mathematics.

CHEMISTRY.

PROFESSOR BRADLEY; DR. RENSHAW; DR. TURRENTINE.

I. ELEMENTARY CHEMISTRY. Lectures and laboratory practice. The first half-year is devoted to the non-metallic elements; the second half-year, chiefly to the more common metals. *Tu., Th., Sat., at 10.* 3 J. H. PROFESSOR BRADLEY. (IX.)

Course I. is elective for Freshmen. Students who receive credit in chemistry on admission to college may be admitted to the second half of the course and receive credit for it.

II.¹ QUALITATIVE ANALYSIS. A. Lectures on the chemical problems involved in the detection of the more common bases and acids. *Sat., at 11 (first half-year).* 3 J. H. PROFESSOR BRADLEY. B. Laboratory practice in basic and acid analysis. Each exercise occupies $2\frac{1}{2}$ hours. Those of Monday and Friday are required. *Mon., Fri., at 2, and a third assigned period (first half-year).* CHEM. LAB. PROFESSOR BRADLEY and DR. TURRENTINE. (X.)

Course II. is elective for those who have taken Course I.

III.² ELEMENTARY QUANTITATIVE ANALYSIS. A laboratory course in gravimetric analysis, with lectures and class discussions. Each exercise occupies $2\frac{1}{2}$ hours. Those of Monday and Friday are required. *Mon., Fri., at 2, and a third assigned period (second half-year).* CHEM. LAB. DR. TURRENTINE.

Course III. is elective for those who have taken Course II.

IV.¹ LIQUEFACTION OF GASES. Lectures, with experimental demonstrations, upon the history and theory of the

liquefaction of gases, and upon some of the more important results of work at low temperatures. *Wed., Fri., at 10 (first half-year).* 3 J. H. PROFESSOR BRADLEY. (III.)

Course IV. is elective for those who have taken Course I.

*V. ADVANCED QUANTITATIVE ANALYSIS. A laboratory course in the principles of quantitative analysis, as illustrated by selected gravimetric, volumetric, colorimetric, electrochemical and gasometric methods, with lectures and class discussions. Written reports are required covering the theory involved. Each exercise occupies $2\frac{1}{2}$ hours. That of Friday is required. *Mon., Fri., at 2, and a third assigned period.* CHEM. LAB. DR. TURRENTINE.

Course V. is elective, with the permission of the instructor, for those who have taken Course III.

VI. ORGANIC CHEMISTRY. Lectures upon the principles of organic chemistry, including a consideration of many organic compounds of importance in the arts and sciences and in living organisms. *Mon., Wed., Fri., at 11.* 3 J. H. DR. RENSHAW. (IV.)

Course VI. is elective for those who have taken Course II. It is desirable, though not necessary, that those who elect it should take also Course XI.

VII. PHYSICAL CHEMISTRY. A lecture course, devoted to a systematic treatment of modern chemical theory. The effect of the variables, heat, light, pressure, and electricity, on chemical reactions is studied in detail. Special attention is given to the mass law and the phase rule. *Tu., Th., at 12.* 3 J. H. DR. TURRENTINE. (XI.)

Course VII. is elective for those who have taken Course III.

VIII. INDUSTRIAL CHEMISTRY. Lectures and collateral reading. The subjects discussed are: Food and drink,—milk products, cereals, starch, sugar, meat, tea, coffee, fermented and distilled liquors; preservation of food. Water and sewage. Clothing,—textile fabrics, bleaching, dyeing, calico printing. Paper, leather, glue, india-rubber. Oils, fats and soaps. Acids, alkalis and salts. Metallurgy of iron, copper, silver, gold,

etc. Glass and ceramics. Cement, mortar and building material. Fuels,—gas and coke. Petroleum, asphalt and wood products. Preservation of wood, paints and varnishes. Pharmaceutical preparations and perfumes. *Mon., Wed., at 9.* 3 J. H. DR. RENSHAW. (II.)

Course VIII. is elective for those who have taken, or are taking, Course VI.

IX.² ELECTRO-CHEMISTRY. Lectures. A description of electric processes for the preparation of compounds; electro-thermal and electrolytic extraction and refining of metals; electro-plating; the theories of electrolysis and electrolytic dissociation. *Wed., Fri., at 12 (second half-year).* 3 J. H. DR. TURRENTINE. (V.)

Course IX. is elective for those who have taken Course II.

*X.² APPLIED ELECTRO-CHEMISTRY. A laboratory course devoted to the study of the phenomena of electrolysis; measurement of electrical constants; determination of current and energy efficiencies in electrolytic work; study of commercial methods of electrolytic plating and refining of metals, and the electro-chemical preparation of pigments and of organic and inorganic compounds in general. Each exercise occupies 2½ hours. *Two exercises a week, the hours to be determined (second half-year).* CHEM. LAB. DR. TURRENTINE.

Course X. is elective, with the permission of the instructor, for those who have taken, or are taking, V. and IX. Chemistry and VII. Physics.

XI. ORGANIC CHEMISTRY. A laboratory course, devoted to the study of typical reactions of organic chemistry, and to the preparation of carbon compounds, including flavoring principles, drugs, perfumes, dye stuffs, etc. Each exercise is required, and occupies 2½ hours. Lectures are given on Mondays at 2. *Mon., at 2, and a second assigned period.* CHEM. LAB. DR. RENSHAW.

Course XI. is elective for those who have taken, or are taking, Course VI. Those who intend to elect Course XII. in the same year must complete Course XI. before the Easter recess.

XII.² ORGANIC ANALYSIS. A laboratory course, including the analysis and examination of such material as sugar, milk, butter, cereals; salad, illuminating and lubricating oils; soap, paint, asphalt; water for industrial purposes. Each exercise occupies 2½ hours. *Mon., at 2, and two other assigned periods (third term), counting as one hour for the year.* CHEM. LAB. DR. RENSHAW.

Course XII. is elective for those who have taken Courses III. and XI.

XIII. PHYSIOLOGICAL CHEMISTRY. The chemistry of foods, digestion, assimilation, metabolism, respiration, and the excretions. *Fri., at 9.* 3 J. H. DR. RENSHAW. (II.)

Course XIII. is elective for those who have taken Course VI.

XIV.² PHYSIOLOGICAL CHEMISTRY. A laboratory course, devoted to the experimental study of the chemistry of animal tissues and organs, of foods and digestion, and of milk, urine, blood, etc. Each exercise occupies 2½ hours. *Mon., at 2, and two other assigned periods (second half-year).* CHEM. LAB. DR. RENSHAW.

Course XIV. is elective for those who have taken Course III., and who have taken, or are taking, Course XIII.

XV. THEORETICAL CHEMISTRY. Lectures upon the origin, development, and present status of the theory of the molecule and the atom. Attention is given to the corpuscular theory of atomic composition, and to the transformations of radio-active elements. *Mon., Wed., at 12.* 1 J. H. PROFESSOR BRADLEY. (V.)

Course XV. is elective for those who have taken Courses III. and VI.

*XVI. CHEMISTRY SEMINARY. Readings in current literature, with reports and discussions upon assigned topics. *Wed., Fri., at 8.* 1 J. H. PROFESSOR BRADLEY. (I.)

Course XVI. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VI., VII., and XV.

GRADUATE INSTRUCTION.

Course XVI., although elective for undergraduates, is designed chiefly for graduates.

In addition, the following course is offered:

XVII. LOW TEMPERATURE INVESTIGATION. Inquiry into special problems connected with the attainment and utilization of low temperatures. Facilities for this work are afforded by the liquid-air plant. PROFESSOR BRADLEY.

Course XVII. may also be taken by undergraduates who are candidates for special honors in chemistry at graduation.

GEOLOGY.

PROFESSOR RICE; MR. —.

I.² PHYSICAL GEOGRAPHY. Recitations and lectures, with Salisbury's Physiography for High Schools as a text-book. SECTION 1, *Tu., Th., at 2 (second half-year)*; SECTION 2, *Tu., Th., at 3 (second half-year)*. 8 J. H. MR. —. (XII.)

Course I. is elective for Freshmen.

II. GEOLOGY. Elementary course. A course of lectures, chiefly on dynamical and structural geology. Dana's Revised Text-book of Geology is recommended for reference. *Tu., Th., at 12*. 8 J. H. PROFESSOR RICE. (XI.)

Course II. is elective for Sophomores who have taken I. Chemistry, and for others with permission of the instructor. It is desirable that those who take this course should also have taken the course in physical geography.

III.¹ GEOLOGY. Advanced course in structural and dynamical geology. Recitations and lectures, with Chamberlin and Salisbury's College Text-book of Geology as the text-book. Special topics with references are assigned to members of the class, on which they are to give lectures. Excursions on Saturdays during the fall. The phenomena observed in an excursion are discussed at the next meeting of the class, one of the members of the class often giving a report thereon. *Mon.,*

Wed., Fri., at 12 (first half-year), counting as four hours a week.
8 J. H. PROFESSOR RICE. (V.)

Course III. is elective for those who have taken Course II.

IV.² GEOLOGY. Historical geology and paleontology. Recitations and lectures, with same text-book as in Course III. Excursions on Saturdays during the spring term (required only of those who take also Course III.). *Mon., Wed., Fri., at 12 (second half-year), counting as four hours a week for those who take also Course III.* 8 J. H. PROFESSOR RICE. (V.)

Course IV. is elective for those who have taken Course II., and who have taken, or are taking, the courses in zoölogy and botany.

[V.¹ MINERALOGY. Crystallography and optical mineralogy. Lectures and practical exercises. Dana's Text-book of Mineralogy is used for reference. *Three times a week (first half-year).* PROFESSOR RICE.]

Course V. is elective for those who have taken I., II., and III. Mathematics, I. Physics, and I. Chemistry. It is omitted the present year.

[VI.² MINERALOGY. Determinative and descriptive mineralogy. Laboratory work in determinative mineralogy; lectures on descriptive mineralogy. Brush and Penfield's Manual of Determinative Mineralogy, and Dana's Text-book of Mineralogy, are used for reference. *Three times a week (second half-year).* PROFESSOR RICE.]

Course VI. is elective for those who have taken Course V. It is very desirable that those who take this course should take, or have taken, II. Chemistry. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses III., IV., V., and VI., although intended primarily for undergraduates, have often been taken by graduate students.

Additional work is provided for graduate students. This may include courses of reading in various branches of geological science, field work, or laboratory work.

BIOLOGY.

PROFESSOR CONN; DR. WHITNEY.

I.¹ GENERAL BIOLOGY. This course is devoted to the study of the simpler laws of life, and the relations of animals and plants. Practical study is made of the earthworm, the frog, and some common plants, which are used as illustrating the general structure and physiology of animals and plants. The course consists of laboratory work, accompanied by lectures, and is designed as an introduction to the study of botany, zoölogy and physiology. SECTION I, *Mon., Fri., 2-4*; SECTION 2, *Mon., 2-4, Tu., 8-10 (first half-year), counting as one hour for the year.* 34 S. L. and 8 J. H. PROFESSOR CONN and DR. WHITNEY. (VI.)

Course I. is elective for Freshmen.

II.² BOTANY. This course is a continuation of Course I., and consists of lectures and recitations, and a large amount of practical work. It includes the study of physiological, morphological, structural, and microscopic botany. The course is devoted chiefly to the study of cryptogams, but this is followed by a short study of phenogams. The last four weeks are devoted to the analysis and description of flowers. *Mon., Fri., 2-4 (second half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN and DR. WHITNEY. (VI.)

Course II. is elective for Freshmen.

III. ZOÖLOGY. Lectures and recitations. Hertwig's Manual of Zoölogy. Typical examples, illustrating the various groups of the animal kingdom, are studied, attention being given to the general laws of development and the interrelationship of groups rather than to the systematic classification of species. The course includes the embryology of various forms studied, as well as their adult anatomy. In some groups paleontological evidence and general biological problems are discussed. A brief study of the principles of comparative anatomy is given at the end of the course. *Mon., Wed., Fri., at 9.* 8 J. H. PROFESSOR CONN and DR. WHITNEY. (II.)

Course III. is elective for Sophomores.

IV. **PHYSIOLOGY.** The instruction is given chiefly by lectures, Martin's Human Body being used as a text-book. Enough anatomy is given to render the physiological discussions intelligible, and enough hygiene to guide to an intelligent care of the body. *Tu., Th., at 11.* 8 J. H. PROFESSOR CONN. (X.)

Course IV. is elective for Sophomores.

*V. **PRACTICAL BIOLOGY.** The design of the courses in practical biology is to furnish opportunity for special biological work along such lines as may be best adapted to the future plans of the student. They are especially useful for those intending to study medicine, for teachers of natural science, and for those who intend to enter upon any line of practical and applied biology.

Those electing the study for more than one year spend the first year in the study of biology in general, making a careful study of illustrative types of the different groups of the animal and vegetable kingdoms, such as amœba, infusoria, hydra, earthworm, bacteria, yeast, mold, lichen, moss, etc. The laboratory work is planned to illustrate, as far as possible, the principles of biology, comparative anatomy, and embryology. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Sat., at 8, or Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and DR. WHITNEY.

Course V. is elective, with the permission of the instructor, for Sophomores.

VI. **PRACTICAL BIOLOGY.** The second year in practical biology is regularly devoted to the study of histology, bacteriology, embryology, and mammalian anatomy. The work of the course is variable and is modified to meet the needs of individual students. During the second half-year each student may pursue some special work assigned by the instructor. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN and DR. WHITNEY.

Course VI. is elective for those who have taken Course V.

VII. PRACTICAL BIOLOGY. A course in laboratory work in continuation of Course VI. In most cases it includes the solution of some special problem, in order to give the student a knowledge of methods of research. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., at 2, and a third assigned period (two or three exercises a week).* BIOL. LAB. PROFESSOR CONN.

Course VII. is elective for those who have taken Course VI.

Courses V.-VII. are accompanied by lectures and recitations. The outline of the courses is somewhat variable and is determined according to the purposes and needs of each student.

VIII. EVOLUTION. A course of lectures and recitations, giving an outline of the general theory of evolution. Conn's *The Method of Evolution* is used as a text-book. *Wed., Fri., at 8.* J. H. PROFESSOR CONN. (I.)

Course VIII. is elective for Juniors.

[IX. BACTERIOLOGY. A study of the general subject, chiefly by lectures, special attention being given to sanitary problems. *Twice a week.* PROFESSOR CONN.]

Course IX. is elective for Juniors. Courses VIII. and IX. are given in alternate years, Course IX. being omitted the present year.

X. PERSONAL AND SOCIAL HYGIENE. This course is designed to meet the growing demand that educated persons should have a practical knowledge of the laws of health. Under the head of personal hygiene, it covers such topics as food habits, exercise, the care of the skin, the heart, the respiratory organs, the mind, a discussion of the habits of study, of sex hygiene, etc. Under the head of social hygiene, it covers problems of contagious diseases, and all general topics of sanitation which concern the individual's relations to the community. Lectures, with daily written recitations. *Tu., at 2.* S. L. PROFESSOR CONN.

Course X. is required of Freshmen.

DAILY PROGRAM.

The order of lectures and recitations is set forth in the table given on pages 92 and 93. Roman numerals preceding the names of certain studies refer to the numbers of the courses as enumerated in the foregoing statement of courses of instruction. Arabic numerals, following the names of certain studies, indicate the sections into which the classes are divided. The figures ¹ and ² preceding the number of the course indicate respectively first and second half-year.



DAILY PROGRAM, 1910-1911

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.	XIII. Latin V. French I. History VII. Mathematics	I. V. Greek 2 VI. Greek II. German, 1 II. French I. Eng. Language, 1 IV. Mathematics XIV. Mathematics 1 General Biology, 2	XIII. Latin I. A. Greek VI. French I. History VII. Mathematics XVI. Chemistry Evolution	II. German, 1 II. French, 1 Danie in English I. Eng. Language, 1 IV. Mathematics XIV. Mathematics I. A. Physics	XIII. Latin I. History VII. Mathematics XVI. Chemistry Evolution	II. German, 1 II. French, 1 XIV. Mathematics
9.	I. Latin, 1 IV. German II. Eng. Literature II. Mathematics VIII. Chemistry Zoology	I. Latin, 2 VII. Latin XVI. German I. Economics II. Philosophy II. Mathematics IX. Physics 1 General Biology, 2	I. Latin, 1 IV. German II. Eng. Literature II. Mathematics 2 III. Mathematics VIII. Chemistry Zoology	I. Latin, 2 VIII. Latin XVI. German II. French, 2 I. Economics II. Philosophy II. Mathematics IX. Physics	I. Latin, 1 IV. German II. Eng. Literature II. Mathematics 2 III. Mathematics XIII. Chemistry Zoology	I. Latin, 2 XVI. German II. French, 2 Pub. Speaking (Soph.) III. Philosophy II. Mathematics IX. Physics
10.	VII. Latin I. Greek IX. German I. French, 1 III. French IV. History IX. Philosophy I. Physics Descriptive Geom.	XIII. Greek IV. French 2 I. Philosophy, 2 1 Desc. Astronomy 2 Pract. Astronomy I. Chemistry I. Eng. Language, 2 IV. History IX. Philosophy 2 X. Philosophy I. Physics Descriptive Geom. IV. Chemistry	I. Greek IV. Greek 2 I. Greek IX. German I. French, 1 Italian I. Eng. Language, 2 IV. History IX. Philosophy 2 X. Philosophy I. Physics Descriptive Geom. IV. Chemistry	XIII. Greek IV. French 2 I. Philosophy, 2 I. Evidence 1 Desc. Astronomy 2 Pract. Astronomy I. Chemistry	VII. Latin I. Greek IV. Greek 2 VI. Greek I. French, 1 Italian I. Eng. Language, 2 IV. History IX. Philosophy 2 X. Philosophy I. Physics IV. Chemistry	Pub. Speaking (Jun.) I. Evidence 1 Desc. Astronomy 2 Pract. Astronomy I. Chemistry
11.	I. German, 1 VI. Eng. Literature II. Economics I. Philosophy	I. Latin, 3 II. Greek I. German, 2 I. French, 2	I. A. Latin I. German, 1 VI. Eng. Literature I. Eng. Language, 3	I. Latin, 3 II. Greek I. German, 2 I. French, 2	III. Greek I. German, 1 VIII. Eng. Literature I. Eng. Language, 3	I. Latin, 3 I. German, 2 I. French, 2 Pub. Speaking (Sen.)

DAILY PROGRAM, 1910-1911—(Continued)

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
11. Con.	I.V. Mathematics 2.VI. Mathematics VI. Chemistry	VII. Eng. Language V. Economics 1.VI. Philosophy 2.VIII. Philosophy VIII. Mathematics VII. Physics Physiology	II. Economics I. Philosophy, 1 2.VI. Mathematics 3.VI. Mathematics VI. Chemistry	VII. Eng. Language V. Economics 1.VI. Philosophy 2.VIII. Philosophy VIII. Mathematics VII. Physics Physiology	V. Eng. Language 1.I. Philosophy, 2 3.VI. Mathematics VI. Mathematics VI. Chemistry	VII. Physics 1.II. A Chemistry
12.	1.XVI. Latin 2.XVII. Latin II. German, 2 I. English Literature III. History II. Philosophy 3.V. Physics 4.VI. Physics XV. Chemistry 1.III. Geology 2.IV. Geology	1.IV. Latin 2.V. Latin 1.III. German V. Eng. Language VI. Economics VII. Chemistry II. Geology	1.XVI. Latin 2.XVII. Latin II. German, 2 I. English Literature III. History II. Philosophy 3.V. Physics 4.VI. Physics XV. Chemistry 1.III. Geology 2.IV. Geology	1.IV. Latin 2.V. Latin 1.III. German V. Eng. Language VI. Economics VII. Chemistry II. Geology	1.XVI. Latin 2.XVII. Latin II. German, 2 III. History II. Philosophy 3.V. Physics 4.VI. Physics 1.IX. Chemistry 2.III. Geology 3.IV. Geology	
2.	Spanish II.B.III., V., XI., XII., XIV. Chemistry 1.General Biology, 1 2.Botany	XI. Greek II., VIII., XI., XII. Physics 2.Phys. Geography, 1 V., VI., VII. Biology Hygiene	V. Biology	XI. Greek II., VIII., XI., XII. Physics 2.Phys. Geography, 1 V., VI., VII. Biology	Spanish II., VIII., XI., XII. Physics II.B.III., V. Chemistry 1.General Biology, 1 2.Botany	
3.	2.IX. Greek 1.X. Greek IV. Eng. Language II.B.III., V., XI., XII., XIV. Chemistry 1.General Biology 2.Botany	1.V. German VI. Eng. Language 2.Ethics II., VIII., XI., XII. Physics 2.Phys. Geography, 2 V., VI., VII. Biology	IV. Eng. Language V. Biology	1.V. German VI. Eng. Language 2.Ethics II., VIII., XI., XII. Physics 2.Phys. Geography, 2 V., VI., VII. Biology	2.IX. Greek 1.X. Greek 1.V. German II., VIII., XI., XII. Physics II.B.III., V. Chemistry 1.General Biology, 1 2.Botany	

EXAMINATION GROUPS.

No student is allowed to take more than one course in any of these groups, with the exception of those (bracketed together) which are not given in the same half-year. The following courses are not assigned to any group, and may be elected without limitation: XI. Greek; Spanish; Public Speaking; VI. History; VIII. Economics; V., XI. Philosophy; II., VIII., XI., XII. Physics; II.B, III., V., X., XI., XII., XIV. Chemistry; V., VI., VII. Biology; Hygiene.

- | | |
|--|---|
| <p>I.—<i>M., W., F., at 8.</i>
 XIII. Latin.
 I.A Greek, <i>W.</i>
 V. French, <i>M.</i>
 ¹VI. French, <i>W.</i>
 I. History.
 VII. Mathematics.
 XVI. Chemistry, <i>W., F.</i>
 Evolution, <i>W., F.</i></p> | <p>{ V. Greek.
 { VI. Greek.
 IX. German, <i>M., W.</i>
 ³I. French.
 III. French, <i>M.</i>
 Italian, <i>W., F.</i>
 IV. History.
 { IX. Philosophy.
 { X. Philosophy.
 I. Physics.
 Descriptive Geometry, <i>M., W.</i>
 IV. Chemistry, <i>W., F.</i></p> |
| <p>II.—<i>M., W., F., at 9.</i>
 ²I. Latin.
 IV. German.
 II. Eng. Literature.
 { I. Mathematics.
 { III. Mathematics.
 VIII. Chemistry, <i>M., W.</i>
 XIII. Chemistry, <i>F.</i>
 Zoölogy.</p> | <p>IV.—<i>M., W., F., at 11.</i>
 ⁴I.A Latin, <i>W.</i>
 III. Greek, <i>F.</i>
 VI. Eng. Literature, <i>M., W.</i>
 ⁵VIII. Eng. Literature, <i>F.</i>
 I. Eng. Language, <i>W., F.</i>
 II. Economics, <i>M., W.</i>
 I. Philosophy, <i>M., W.</i>
 { V. Mathematics.
 { VI. Mathematics.
 VI. Chemistry.</p> |
| <p>III.—<i>M., W., F., at 10.</i>
 VII. Latin, <i>M., F.</i>
 I. Greek.</p> | |

¹ May be elected with V. French.

² May be elected with I. and III. Mathematics.

³ May be elected with any one course in this group.

⁴ May be elected with I. English Language.

⁵ May be elected with VI. English Literature.

V.—*M., W., F., at 12.*

- { XVI. Latin.
- { XVII. Latin.
- I. Eng. Literature, *M., W.*
- III. History.
- II. Philosophy.
- { V. Physics.
- { VI. Physics.
- IX. Chemistry, *W., F.*
- XV. Chemistry, *M., W.*
- { III. Geology.
- { IV. Geology.

VI.—*M., F., at 3.*

- { IX. Greek.
- { X. Greek.
- IV. Eng. Language, *M., W.*
- { General Biology.
- { Botany.

VII.—*T., Th., S., at 8.*

- ⁶II. German.
- ⁶II. French.
- Dante in English, *Th.*
- IV. Mathematics, *T., Th.*
- XIV. Mathematics.
- I.A Physics, *Th.*

VIII.—*T., Th., S., at 9.*

- VIII. Latin, *T., Th.*
- XI. German.
- I. Economics, *T., Th.*
- III. Philosophy.
- II. Mathematics.
- IX. Physics.

IX.—*T., Th., S., at 10.*

- XIII. Greek, *T., Th.*
- IV. French, *T., Th.*
- Evidences, *Th., S.*
- Astronomy.
- I. Chemistry.

X.—*T., Th., S., at 11.*

- II. Greek, *T., Th.*
- ⁶I. German.
- VII. Eng. Language, *T., Th.*
- V. Economics, *T., Th.*
- { VI. Philosophy, *T., Th.*
- { VIII. Philosophy, *T., Th.*
- VIII. Mathematics, *T., Th.*
- VII. Physics.
- II.A Chemistry, *S.*
- Physiology, *T., Th.*

XI.—*T., Th., at 12.*

- { IV. Latin.
- { V. Latin.
- III. German.
- V. Eng. Language.
- VI. Economics.
- VII. Chemistry.
- II. Geology.

XII.—*T., Th., at 3.*

- V. German.
- VI. Eng. Language.
- Ethics.
- Physical Geography.

⁶ May be elected with any one course in this group.

SELECTION OF STUDIES.

FRESHMAN YEAR.

A. FOR CANDIDATES FOR THE B. A. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including I. English Language and Hygiene, which are required of all. The choice must include one three-hour course in Latin or Greek, and one three-hour course from the following: Latin, Greek, mathematics, a modern language.

	Hours per week.
I. English Language, - - - - -	3
I. Latin, - - - - -	3
I.A Latin, - - - - -	1
I. Greek, - - - - -	3
I.A Greek, - - - - -	1
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	1
General Biology, - - - - -	1
Botany, - - - - -	1
Hygiene, - - - - -	1

B. FOR CANDIDATES FOR THE B. S. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including I. English Language and Hygiene, which are required of all:

	Hours per week.
I. English Language, - - - - -	3
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	1
General Biology, - - - - -	1
Botany, - - - - -	1
Hygiene, - - - - -	1

Of the following courses, such as are not presented for admission must be passed in college:

II. Mathematics (trigonometry) and either I. Mathematics (solid geometry) or III. Mathematics (analytic geometry). Advanced algebra may be presented on admission to college in lieu of either solid geometry or analytic geometry.

I. French and II. French.

I. German and II. German.

SOPHOMORE, JUNIOR, AND SENIOR YEARS.

A student must elect in Sophomore and Junior years not less than *fifteen* nor more than *eighteen* hours per week of study, in Senior year not less than *thirteen* nor more than *eighteen* hours per week of study. In the Sophomore year rhetorical exercises are required, which are rated as the equivalent of one hour per week, to be included in the prescribed quota. The requirement for graduation is *sixty* hours of work, inclusive of rhetorical exercises. After the Freshman year there are no required studies, except Sophomore rhetorical exercises; but the election of studies must conform to the following requirements:

A. GROUP SYSTEM.

The departments of study are arranged in the following groups:

Group I.	Group II.	Group III.
Latin,	History,	Mathematics and
Greek,	Economics and Social	Astronomy,
German,	Science,	Physics,
Romance Languages,	Philosophy,	Chemistry,
English.	Ethics and Religion.	Geology,
		Biology.

A student's courses, including those of the Freshman year, must include at least *twelve* hours from Group I. and at least *nine* hours from each of Groups II. and III. Courses offered in college, but taken in preparatory school and presented for admission, may be counted in making up this requirement.

B. MAJOR STUDIES.

At the beginning of the Junior year, each student must elect a major study, the requirements for which are not less than *nine* nor more than *twelve* hours' work per week for a year in a department, the studies constituting the major to be elected with the approval of the senior instructor in the department in which the major is elected. The major may consist wholly of studies in one department, or partly of studies in cognate departments, so chosen as to make a consistent program. The following courses are not allowed to count in making up a major:

I. English Language, the rhetorical exercises of the Sophomore year, I. French, I. German, I. Chemistry (first-half), Botany, Physical Geography.

DEPARTMENTAL AND OTHER LECTURES, 1909-1910.

In addition to the Courses of Instruction named above, lectures are given each year under the auspices of various departments or associations connected with the University. Most of these lectures are open to the public. In 1909-10 were given the following:

DEPARTMENTAL LECTURES.

DEPARTMENT OF PHILOSOPHY.—Professor Alexander Meiklejohn, Brown University. Subject: "The Definition of Truth."

Professor Roswell Park Angier, Yale University. Subject: "The Psychology of Dreams."

Dr. Addison Brown Poland, Superintendent of Schools, Newark, N. J. Subject: "Some Pressing Problems in Public School Education."

DEPARTMENT OF HISTORY.—President Charles Henry Rammelkamp, Illinois College. Subject: "Contested Congressional Elections."

Professor Albert Bernhardt Faust, Cornell University. Subject: "The German Element and the American Frontier."

Dr. Henry Barrett Learned, New Haven. Subject: "The Beginnings of the American Cabinet."

DEPARTMENT OF CHEMISTRY.—Mr. James Andrew Newlands, Connecticut State Chemical Laboratory. Subject: "Water Purification and Sewage Disposal."

Dr. Alfred Hoffman, Columbia University. Subject: "The Manufacture of Natural and Artificial Perfumes."

Mr. James Andrew Newlands. Subject: "The Chemical and Bacteriological Examination of Potable Waters, and the Interpretation of Results."

Professor Charles Baskerville, New York University. Subject: "Radium and Radio-activity."

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The Middletown Scientific Association, founded in 1871, has a membership of about ninety, taken partly from the college and partly from the town. Regular meetings are held on the second Tuesday of every month during the college year, in the lecture-room of the John Bell Scott Memorial. During 1909-10 the following addresses were given:

Professor Walter Bradford Cannon, Harvard University. Subject: "Digestive Processes and the Influence of Emotions upon them."

Mr. S. Ward Loper. Subject: "The Origin of Museums and their Development as Great Educational Institutions."

Professor Lafayette Benedict Mendel, Yale University. Subject: "The Growth and Beauty of Children."

Professor Edward Lee Thorndike, Columbia University. Subject: "Experimental Studies of Animal Intelligence."

Dr. David Day Whitney. Subject: "The Determination and Heredity of Sex."

Professor William Suddards Franklin, Lehigh University. Subject: "The Practical Applications of the Gyrostat."

Professor Burton Howard Camp. Subject: "Comets."

Dr. John William Turrentine. Subject: "The Fixation of Atmospheric Nitrogen."

Professor Herbert William Conn. Subject: "The Education of the White Blood Corpuscle."

THE CLASSICAL CLUB.

The Classical Club was founded in 1906 by about twenty of the students taking classical courses. Meetings are held every three weeks during the college year. The following address was given before the club in 1909-10:

Professor Charles Brewster Randolph, Clark College. Subject: "The Origin of our Alphabet and the Development of Book Print."

LA SOCIÉTÉ FRANÇAISE.

A French club was founded in 1907 by a number of students taking courses in the department of romance languages. In the fall of 1909, the club was reorganized under the title of La Société Française, holding fortnightly meetings at the fraternity houses. The following addresses were given in 1909-10:

Professor Oscar Kuhns. Subject: "Londres, la Hollande et le Rhin."

Mr. Charles Edward Graves. Subject: "Les Combats de Taureaux en Espagne."

Professor Oscar Kuhns. Subject: "Paris et les Parisiens."

Professor Oscar Kuhns. Subject: "La Suisse."

DER DEUTSCHE VEREIN.

A club was organized October 23, 1909, by undergraduates for further practice in the German language and the study of German culture. Those undergraduates are eligible for active membership (limited to twenty-five upper classmen and five freshmen) who are taking or have taken courses in German more advanced than Course II. Members of the faculty and graduate students may be elected to honorary membership. Meetings are held semi-monthly in rooms in East Hall, where the Verein expects to maintain a German reading-room. Programs, arranged with the advice of the teaching staff in the department, include addresses by instructors in German in other institutions, papers by members, plays, etc. The following addresses were given in 1909-10:

Reverend Ernst Hingkeldei, St. Paul's Lutheran Church, Middletown. Subject: "Deutsche Dialekte."

Professor Hollon Augustine Farr, Yale University. Subject: "Deutsches Studentenleben."

Professor Otto Manthey-Zorn, Amherst College. Subject: "Kaiser Wilhelm II."

Dr. Karl Siebert, Yale University (exchange instructor). Subject: "Berlin und die Berliner."

Professor Gustav Gruener, Yale University. Subject: "Das Yiddische Drama."

Reverend Lothar Brunke, Waterbury, Connecticut. Subject: "Deutsche Volkslieder."

Dr. Paul Holroyd Curts. Subject: "Eine Fussreise im Tirol."

Professor Joannes Benoni Eduard Jonas, Brown University. Subject: "Im alten Deutschland."

In addition, the Verein gave a performance in German, before an audience of invited guests, of Shakespeare's "As You Like It," Act III., and Benedix's "Die Hochzeitsreise."

THE PRESS CLUB.

Edward Manwaring Allender, editor of *The Middletown Sun*. Subject: "The Relation of the College Man to the Newspapers."

Stetson Kilborn Ryan, '04. Subject: "The Making of a Daily Paper."

Ralph Welles Keeler, '04. Subject: "College News in the Outside World."

GENERAL REGULATIONS.†

REGISTRATION.

Every student of the three lower classes is required to present to the Secretary of the Faculty, on or before the second Wednesday before Commencement, a list of the studies which he proposes to take the next college year. A fee of one dollar shall be paid by each student who fails to present such a list on or before that date. Every student is required to register at the beginning of the first term of each year, at which time changes may be made in the list of studies selected in June. A fee of two dollars shall be paid by each student who does not register at the time appointed.

QUOTA OF STUDIES.

The requirement for graduation is sixty hours of work, inclusive of Sophomore rhetorical exercises, which are rated as the equivalent of one hour per week. Freshmen and Juniors must elect not less than fifteen nor more than eighteen hours of work per week, Sophomores the same amount inclusive of rhetorical exercises, and Seniors not less than thirteen nor more than eighteen hours per week. No student will be allowed to take less than the minimum nor more than the maximum above specified, without special permission of the Faculty.

GRADES.

The general character of the work of each student in each study is indicated by his assignment to one of five grades, grade 1 denoting the highest excellence, and grade 5, failure

† Copies of the detailed Regulations may be obtained from the Secretary of the Faculty.

to pass. The Secretary of the Faculty sends to each student, within three weeks after Commencement, a report of his grades in all the studies which he has taken during the year.

EXAMINATIONS.

Regular examinations are held at the end of the year, and during a specified period at the mid-year. The allowance of absence from recitations is, in courses running through the year, three times the number of required exercises a week; in courses running through a half-year the allowance is proportionately diminished. A student who has taken the allowed number of absences in any course, exclusive of those excused by the President or by the Committee on Athletic and Musical Organizations, must thereafter present an excuse for every absence taken in that course, and in case he have one unexcused absence in addition to the number allowed, he is excluded from examination and must take a special examination later, paying a fee of five dollars. In the application of this rule, absences from the first or the last exercise of a term in any study, or consecutive absences including the first or the last exercise, are each reckoned as two absences. Absences of the same nature before or after the Thanksgiving recess are each reckoned as two absences.

Special written examinations are held during the week commencing with the Tuesday before the beginning of the first term for all who have been absent from any of the examinations of the previous year, or who have failed to pass in the same, except those who have been examined and failed to pass at both the regular examination in February and the special examination in the third term.

For the benefit of students deficient in second half-year subjects, special written examinations are held during the month of January, at times announced by the Secretary of the Faculty. For these examinations application must be made on or before the first Monday of the second term. A fee of five dollars is charged for each examination.

For the benefit of students who have been absent from any of the examinations during the preceding part of the

year, or who have failed to pass in the same, special written examinations are held during the third term at times announced by the Secretary of the Faculty; provided that application for such examination is made by the candidate on or before the first Monday of that term.

A student who fails to pass a final examination in any study before that study is taken up by the next succeeding class is required, unless specially excused therefrom, to recite with that class, or, in the case of an elective study, to substitute some other elective therefor. If, at the close of the special examinations held at the beginning of the year, a student is deficient by an amount equivalent to six or more hours of work a week for a year, he is ranked with the next lower class, unless specially excused therefrom by the Committee of the Faculty on Administration.

ENTRANCE CONDITIONS.

A student who fails to make up entrance conditions on or before the first day of November of the next college year is excluded from all recitations until the conditions are made up. A fee of five dollars is charged for an examination in entrance conditions after the regular examination for admission at the beginning of the student's second year in college.

PUBLIC WORSHIP.

Devotional services, at which the attendance of students is required, are held in Memorial Chapel every week-day morning, and on Sunday afternoons.

Voluntary religious services under the direction of the Young Men's Christian Association are held weekly.

LEAVE OF ABSENCE.

A student who desires excuse from college exercises on account of absence from town must apply to the President for permission to be absent, and, unless the circumstances of the case render it impracticable, such permission must be obtained before the student's departure.

STUDENT ORGANIZATIONS.

No member of the Senior or Junior class who is deficient in his college work more than two hours a week for a year, and no member of the Sophomore class who is deficient more than three hours a week for a year, is allowed to take part, as a member of a University athletic team, in any athletic contest, except by special permission; and any student whose college work becomes unsatisfactory at any time during the year may be debarred from taking part in such a contest.

Members of the college musical and dramatic organizations, who are deficient as specified in the preceding paragraph, are not allowed to appear in public performances given by those organizations.

No student under censure is allowed to serve, without permission of the Faculty, in any capacity on an athletic organization or on a musical or dramatic association giving public performances.

No Freshman who has entrance conditions amounting to three points is allowed to represent the college on any athletic, musical, or dramatic organization.

No student is allowed, without special permission of the Committee on Administration, to represent the College in any one year on more than two of the following organizations: football, baseball, basketball, track athletics, glee club; nor on any two of them that are in active operation at the same time.

The approval of the schedules of public performances given by the musical and dramatic organizations is in the hands of committees of the Faculty.

THE ATHLETIC COUNCIL.

In 1903 the Trustees authorized the organization of an Athletic Council, composed of three representatives each of the Faculty, the alumni, and the undergraduates. The Council has general supervision over the athletic affairs of the college, subject to certain veto powers retained by the Faculty. It administers eligibility rules, except as regards scholarship, approves schedules, ratifies the election of captains and managers, and controls the finances of the several departments of athletics, through a financial secretary. The officers of the council for

1910-11 are: Seward V. Coffin, '89, President; A. R. Sutherland, '11, Vice-President; Professor W. P. Bradley, Secretary; Professor R. H. Fife, Jr., Financial Secretary.

EXPENSES.

The annual charges in the Assistant Treasurer's bill are as follows:—

Tuition, - - - - -	\$90 00
Incidentals, use of library and reading-rooms, etc.,	50 00
Total, - - - - -	\$140 00

A fee of two dollars is charged for I. Chemistry, and a fee of one dollar for General Biology and for Botany. For the laboratory courses in physics, chemistry, and biology, fees are charged which vary with the nature of the course and with the number of exercises elected per week. The fee for each exercise per week in practical physics, in practical biology, and in II. and XIV. Chemistry, is five dollars; in III., V., and X. Chemistry, eight dollars; and in XI. and XII. Chemistry, ten dollars. Students electing the chemistry courses named are required in addition to make a deposit of five dollars, which is refunded at the close of the course after charges for breakage have been deducted.

A diploma fee of five dollars is charged to each student at graduation.

A fee of five dollars is required of every candidate for the Master's degree before his course of study can be approved by the Committee on Graduate Instruction.

A diploma fee of ten dollars is charged to each graduate student upon promotion to the Master's degree.

The college bills are payable soon after the beginning of each term. Unless the bill for any term is paid, or payment thereof guaranteed, on the day appointed, the student is liable to exclusion from recitations.

No student can have an honorable dismissal, or certificate of progress in his studies, until his bills are paid or payment thereof guaranteed.

A student who is absent from college on account of sickness, or for other cause, and who retains his place in his class, must pay the full college bills during his absence.

Board may be obtained in private families at prices varying from \$3.75 to \$5.00 a week. The college fraternities maintain clubs which supply board to their members at prices ranging from \$3.50 to \$5.00 a week. The price of board at the college dining hall is \$3.00 a week.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. Instances have been extremely rare in which students of good ability and health have been compelled to leave college for want of money.

DORMITORY ACCOMMODATIONS.

The new North College, at the end of College Row, contains one hundred and one rooms that are available for students. The rooms are lighted by electricity, heated by steam, and provided with single beds, mattresses, chiffoniers, and desks. The prices indicated below include the care of the room. An extra charge for electric light is also made, the charge depending upon the candle-power furnished. A diagram showing the location of rooms, with dimensions, also a price-list giving number of occupants allowed in each room, will be sent upon application to the Secretary of the Faculty.

Rooms are rented also in Observatory Hall and in East Hall, at a lower rate than is the case in North College. The rooms in East Hall are not furnished. Most of the rooms in both buildings are lighted with either gas or electricity, for which an additional charge is made.

Each student renting a room must make a deposit of ten dollars (\$10) at the time the assignment is made, and must sign a contract binding him to pay the rent of the room and to occupy the room in person through the entire college year. This deposit shall be forfeited in case the student fails to return to college or in case he does not enter; otherwise the deposit shall be credited on his bill for room-rent.

Students are permitted to take lodgings in town, but the places in which they room or board are in all cases subject to the approval of the Faculty. If any of the rooms in the

college are thus left vacant, the rent of such rooms may be charged to holders of free scholarships who room in town.

Application for rooms should be made to the Secretary of the Faculty.

PRICES OF COLLEGE ROOMS.

North College (Furnished Rooms).

No.	RENT.	HEAT.	No.	RENT.	HEAT.	No.	RENT.	HEAT.
1 }	\$110	\$24	35	\$60*	\$16	69	\$60*	\$20
2 }			36	80	20	70 }	125†	30
3	80	20	37 }	110	24	71 }		
4	50	16	38 }			72 }	50	16
5 }	100	24	39 }	110	24	73	50	16
6 }			40 }			74	50	16
7	60*	20	41	50	16	75 }	110	24
8	50	16	42	50	16	76 }		
9	80	20	43 }	125†	30	77 }	110	24
10 }	125†	30	44 }			78 }		
11 }			45 }	60*	20	79	80	20
12 }	110	24	46			80	60*	20
13 }			47 }	125†	30	81 }	100	24
14 }	50	16	48 }			82 }		
15			49 }	50	16	83 }	100	24
16	50	16	50			84 }		
17 }	125†	30	51	50	16	85	60*	20
18 }			52 }	110	24	86	80	20
19 }	125†	30	53 }			87 }	110	24
20 }			54 }	110	24	88 }		
21 }	125†	30	55 }			89 }	110	24
22 }			56	60*	16	90 }		
23	50	16	57 }	100	24	91	50	16
24	50	16	58 }			92	50	16
25 }	110	24	59	80	20	93 }	100	24
26 }			60 }	110	24	94 }		
27 }	110	24	61 }			95	80	20
28 }			62 }	110	24	96 }	100	24
29	80	20	63 }			97 }		
30	60*	16	64	50	16	98	50	16
31 }	100	24	65	50	16	99	50	16
32 }			66 }	125†	30	100 }	110	24
33 }	100	24	67			101 }		
34 }			68 }					

* Rent \$75, if occupied by two persons.

† Rent \$150, if occupied by three persons.

Observatory Hall (Furnished Rooms).

NO.	RENT.	HEAT.	REMARKS.			
1	\$55	\$12	Rent, \$60, if occupied by 2 persons.			
2 }	90	20	"	100,	"	3 "
4 }						
3	45	12				
6	50	12	"	55,	"	2 "
7	50	12	"	55,	"	2 "
9	50	15	"	55,	"	2 "
10	50	12	"	55,	"	2 "
11	80	15	"	90,	"	2 "
12	90	20	"	100,	"	3 "
13	90	16	"	100,	"	3 "
14	90	18	"	100,	"	3 "
15	50	15	"	55,	"	2 "
16	55	15	"	60,	"	2 "
17	50	15	"	55,	"	2 "
18	45	12				
19	100	18	"	110,	"	3 "
20	100	18	"	110,	"	3 "

East Hall (Unfurnished Rooms).

NO.	RENT.	HEAT.	NO.	RENT.	HEAT.	NO.	RENT.	HEAT.
1	\$85	\$16	10	\$75	\$16	16	\$40	\$12
2	85	16	11	75	16	17	45	12
5 }			12	75	16	18	50*	15
6 }	60	15	13	45	12	19	45	12
8	45	12	14	50	16	20	45	12
9	75	16	15	50*	15	21	35	12

* Rent, \$65 for three persons.

COLLEGE DINING HALL.

In order to reduce the expense of a college course, the college maintains a dining hall, where board may be obtained at a low rate. There is accommodation for about one hundred boarders. The college is responsible for the general management, the details being in charge of a steward who is responsible to a college officer. Bills are paid into the college treasury, and the college assumes all financial responsibility. The rate of board is at present three dollars a week.

MATERIAL EQUIPMENT.

NEW BUILDINGS.

WILLBUR FISK HALL, opened in the summer of 1904, is occupied by the Departments of Language, Literature, History, Economics, and Philosophy. It is of Portland brownstone and practically fire-proof, 113 by 62 feet in dimensions, three stories in height above a lofty and well-lighted basement story, and cost one hundred and fourteen thousand dollars. It contains ten private studies for professors in charge of departments, fourteen lecture-rooms, seven commodious seminary rooms, and a well-appointed psychological laboratory.

In the planning and construction of the building careful attention was paid to matters of heating, lighting, ventilation, and drainage. It is believed that in dignity of external appearance, interior finish, convenience of arrangement, and adaptation at all points to the uses for which it is designed, it is a model college building.

THE JOHN BELL SCOTT MEMORIAL, a new Physical Laboratory, was completed in 1904 at a cost of one hundred and eighteen thousand dollars. It is the gift of the late Charles Scott and of his son, Charles Scott, of the class of 1886, in memory of John Bell Scott, of the class of 1881, who died of disease contracted while serving as Chaplain of the U. S. Cruiser *St. Paul* during the Spanish-American war.

It is a beautiful and imposing building constructed of Harvard brick and Indiana limestone. Its main part has a frontage of 102 feet and a depth of 51 feet, and in the rear is an extension 50 by 30 feet. The building consists of basement, three stories, and attic, except that the third story is omitted in the extension. The main lecture-room contains nearly two hundred seats, and there is a smaller lecture-room seating

about forty persons. The building contains twenty-two rooms for experimental work, elementary and advanced, in addition to lecture and apparatus rooms, photographic dark-rooms, storerooms, offices, a library, and a room for draughting and computing. There is also a tower 4 by 6 feet in cross section, with a height of 54 feet in the clear, which can be used for experiments requiring great vertical extension.

The building is equipped with an exceptionally extensive and complete system of wiring for the purpose of distributing to all points, for experimental use, electric currents from the city mains as well as from the storage battery and generators in the basement. For the most part the interior is finished with exposed brick walls, painted a light tint, and with exposed floor timbers and pipe work.

THE NEW NORTH COLLEGE was occupied as a dormitory for men in January, 1908. It is of Portland brownstone, practically fire-proof, 152 by 48½ feet in dimensions, four stories in height above a basement, and cost about \$135,000. The building contains one hundred and one rooms, arranged to satisfy varying demands. There are lavatories in the basement and on the third floor, supplied with tub and shower baths. The floor construction is of reinforced concrete throughout, and the stairs of iron and slate. The building is heated by steam from the central heating plant, and all rooms are lighted by electricity. All partitions in the basement, corridors and stair-wells are of hollow terracotta brick.

SOUTH COLLEGE, which formerly was used for recitation rooms and studies, has been remodeled to serve as an administration building. The entrance to the building has been raised and a new flight of steps constructed as an approach. The old wooden staircases have been replaced by new ones of iron, with slate treads. The first floor is used as a storeroom by the library. The second and third floors contain private offices for the President and the Secretary of the Faculty, a stenographer's room and a storeroom, and a spacious room, finished in quartered oak, used for faculty meetings and as a general office. On the fourth floor are a number of two-room suites for dormitory use.

LIBRARY AND READING-ROOMS.

THE LIBRARY in Rich Hall contains about eighty-five thousand volumes. The library is open every week-day of the college year from 8 A. M. to 10 P. M. Students are allowed direct access to the shelves. Copies of the library rules may be obtained from the Librarian.

The increase of the Library is provided for from the income of funds amounting to \$89,264. The Alumni Library Endowment of \$36,949 is the aggregate of numerous gifts from alumni and friends of the University. The Hunt Library Endowment of \$31,389 was willed to the University by the late Rev. Albert Sanford Hunt, D. D., of the class of 1851. The Wilcox Library Endowment of \$20,926 was willed to the University by the late Mrs. Stephen Wilcox.

On the first floor of Memorial Chapel is a reading-room, provided with daily and weekly newspapers. Another reading-room, on the second floor of Rich Hall, contains the current issues of the most important magazines and reviews, literary and scientific, American and foreign.

ASTRONOMICAL OBSERVATORY.

THE OBSERVATORY is used for purposes of instruction, and is well equipped therefor. Students in astronomy have frequent opportunities to examine the most interesting celestial objects through the telescope; and members of the class in practical astronomy are instructed in the theory and use of all the instruments in the observatory.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

A gift was received in 1903 from the late Joseph Van Vleck of Montclair, New Jersey, to be used toward the erection and equipment of a new astronomical observatory. This gift, with its accumulations, now amounts to about \$53,000.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture-room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a photographic registering apparatus, a chronograph, a Wheatstone stereoscope, a double projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a fall-tachistoscope for class-room demonstration, and a mirror exposure apparatus of new design for studies in the psychology of reading.

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 111. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In electricity, particularly, facilities are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents, electric oscillations, and discharge through gases.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25-horse-power Ball engine, and a 17½-kilowatt direct-current dynamo.

THE CRAWFORD MEMORIAL FUND. A fund of five thousand dollars has been given by Hanford Crawford, of St. Louis, in memory of the Reverend Morris D'Camp Crawford, who was a Trustee of Wesleyan University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the department of physics, or to the promotion of research in the same department.

THE CHEMICAL LABORATORY finds accommodation on the lower floors of Judd Hall. Two lecture and recitation rooms provide facilities for class instruction. The larger of the two is capable of seating one hundred and ten persons.

The laboratory courses are likewise accommodated in two rooms, one of which is reserved exclusively for the use of students in quantitative analysis. In the other, which is the general laboratory room, there are desks for more than fifty students.

The very valuable library of chemical periodicals collected by the late Professor Atwater is housed in the chemical laboratory and is accessible to instructors and students alike.

THE CRYOGENIC LABORATORY furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a liquid-air plant, including a kerosene motor, a Norwalk compressor which delivers about twenty cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about four liters of liquid-air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Five rooms are used for general laboratory purposes, of which two are devoted to miscellaneous laboratory work, one to general laboratory work of large classes, one to coarse dissection and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study. The laboratory is especially well equipped for bacteriological work. Advanced students of the department have also the advantage of the use of the State Bacteriological Laboratory, located in the John Bell Scott Memorial.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanic. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for

purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenezer Hill, Esq., of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAVERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wyllys Street. Its dimensions are 55 by 120 feet.

The basement contains a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof, above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation, drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

The gymnasium is in charge of a competent director. Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is

afforded for baseball and field and track athletics. Football is played in another part of the field which has recently been improved for the purpose. An outdoor board track has been built by one of the college fraternities in memory of Jesse Lyman Hurlbut, Jr., class of 1900. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practice at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing-rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. In 1908 a fine collection of birds' nests, and a collection of alcoholic reptiles and amphibians, from Portland and Cromwell, was received from Mr. Charles H. Neff. This department includes about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879. The herbarium of Rev. Merrill Hitchcock, B. A., including about 700 specimens, of which about 200 are from Connecticut, was presented to the museum in 1908.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a valuable accession in the gift of a set of the educational series of rock specimens described in Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection. The collections in paleontology have been very largely increased since 1893 by the work of the late curator, S. Ward Loper, M. A., in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in the vicinity of Chattanooga, Tenn., Cañon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. Especially important among these accessions are the collections of fossil fishes and plants from the Triassic shales of the Connecticut valley, and of Tertiary fishes and plants from Fossil, Wyo., and Tertiary plants and insects from

Florissant, Col. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the University Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by Clarence S. Wadsworth, B. A.; and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., Mrs. W. W. Wilcox, Rev. John Gowdy, B. A., and Rev. Joseph Beech, Ph. B. The collection of coins numbers about 4,500, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Other valuable collections of Chinese coins have been received from Rev. John Gowdy, B. A., and Rev. Joseph Beech, Ph. B. A valuable collection of Greek and Roman coins and facsimiles of such coins, historical medals, and copies of such medals, was presented to the Museum in 1906 by Stephen H. Olin, LL. D. Additional specimens subsequently presented by Dr. Olin make the number of specimens in this collection more than 600. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy and geology. The coins (with the exception of the Olin collection and certain other special collections placed on exhibition

in the museum) are kept in a case in the library, where they can be seen by students and others on special application. Small collections illustrative of classical archæology are kept in the seminary rooms.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOÖLOGY.

Mammals—skins mounted and unmounted, - - -	200
alcoholic, - - - - -	50
skulls and skeletons, - - - - -	110
Birds—skins mounted and unmounted, - - -	1,700
nests and eggs, - - - - -	700
Reptiles, - - - - -	600
Amphibians, - - - - -	200
Fishes, - - - - -	2,100
Insects—pinned and alcoholic, - - - - -	6,500
nests, borings, etc., - - - - -	50
Crustacea, - - - - -	1,500
Worms, - - - - -	1,800
Mollusks—shells, - - - - -	90,000
alcoholic, - - - - -	4,000
Echinoderms, - - - - -	1,000
Cœlentera, - - - - -	1,700
Sponges and protozoa, - - - - -	150

DEPARTMENT OF BOTANY.

Plants in herbarium, - - - - -	11,400
Specimens of wood, - - - - -	300
Miscellaneous botanical specimens, - - - - -	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks, - - - - -	21,000
Fossils—Paleozoic, - - - - -	11,500
Mesozoic, - - - - -	3,700
Cenozoic, - - - - -	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens, - - -	3,400
Coins, - - - - -	6,800

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

The heirs of Mr. Ralph Mead have transferred to the University the perpetual scholarship issued in his name. This scholarship, which is at the disposal of the President, exempts the holder from the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, B. A., of the class of 1859. In accordance with its provisions, the income of \$7,713 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIP.

This scholarship was founded by Miss Louisa Loveland. The income of \$2,642 is available, at the discretion of the Faculty, for the use of a deserving student who needs pecuniary assistance. For this scholarship only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church can be candidates.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,111 is given annually to that member of the Senior or Junior class who is named by

the Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates.

THE ACKLEY SCHOLARSHIP.

This scholarship was founded by Mrs. Helen E. Ackley. The income of \$2,000 is given annually to such young women among the undergraduates as in the opinion of the Board of Trustees are deserving of assistance.

SCHOLARSHIP FUNDS.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Frank S. Jones Scholarship Fund, \$1,055, founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$3,671, founded by William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,311, founded by John J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory of Hon. George W. Shonk, B. A., class of 1873.

The Starks Scholarship Fund, \$1,063, founded by Mrs. Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,062, founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,114, founded by Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$3,145, founded by James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$11,221, founded by Mrs. Annie M. Swift, of Chicago, Ill., in memory of her husband, Gustavus F. Swift.

The George G. Reynolds Scholarship Fund, \$2,081, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y.

The Cyrus D. Jones Scholarship Fund, \$2,601, founded by Cyrus D. Jones, of Scranton, Pa.

The Harriet Townsend Reynolds Scholarship Fund, \$2,581, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his wife.

The Frank Reynolds Scholarship Fund, \$2,581, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his son, who graduated in 1868.

The Abigail Pennoyer Reynolds Scholarship Fund, \$2,548, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his mother.

The Hubbard Scholarship Fund, \$10,250, founded by Miss Jennie M. Clarke, of Middletown, Conn., in memory of her uncle, Honorable Samuel Dickinson Hubbard, for many years a trustee of Wesleyan University.

The Montgomery Scholarship Fund, \$1,000, founded by the Rev. John E. Adams, D. D., of Patchogue, N. Y., Trustee of the Jane P. Fitch Benevolent Fund, in memory of Rev. James Montgomery.

LOAN FUND.

Besides the scholarships above mentioned, there is a small fund from which loans are made to deserving students in the Junior and Senior classes. These loans bear a moderate rate of interest and are payable usually after graduation.

COLLEGE HONORS.

PRIZES.

THE JOSEPH D. WEEKS PRIZE.—A prize of fifteen dollars is awarded for the best essay on some specified subject in the department of economics. The subject for the essay of 1911 is: The Present Adequacy of the Workingman's Income. The essays must be left with the head of the department on or before the third Monday in May (May 15, 1911).

THE PEIRCE PRIZE.—A prize of ten dollars, the income of a fund given by Rev. Bradford K. Peirce, D. D., is awarded for excellence in natural science. It will be given in 1911 upon a special examination based on Course I. in Chemistry. The subject of the examination in 1912 will be geology; in 1913, biology.

THE PHI BETA KAPPA PRIZE.—A prize of twenty-five dollars, the gift of the Connecticut Gamma of Phi Beta Kappa, is awarded for excellence in Latin. It will be given in 1911 upon a special examination in Pliny's Letters.

THE G. BROWN GOODE PRIZE.—A prize of ten dollars, the gift of Mrs. G. Brown Goode, is awarded for the best original investigation in the department of natural history.

THE JOHN BELL SCOTT PRIZE.—A prize of forty-five dollars, the income of a fund given by the late Charles Scott, is awarded for excellence in the modern languages. It will be given in 1911 for the best essay on "Friedrich Hebbel's Conception of the Tragedy." In 1912 the prize will be given for special work in the department of romance languages.

No person who has once taken either the Joseph D. Weeks, the Phi Beta Kappa, or the G. Brown Goode prize, may compete for it again.

THE WEEKS PRIZE.—A prize of fifteen dollars is awarded for excellence in modern philosophy. It will be given in 1911 for the best examinations in Courses IX. and X. in philosophy, and for additional work to be assigned by the instructor.

THE CAMP PRIZE.—A prize of twenty dollars, the income of a fund given in memory of Samuel T. Camp, is awarded for excellence in English literature. It will be given in 1911 upon a special examination in Course I. in English literature.

THE JOHNSTON PRIZE.—A prize of twenty-five dollars, the gift of Rev. David G. Downey, D. D., in memory of Professor John Johnston, is awarded for excellence in electricity. It will be given in 1911 upon a special examination based on Course VII. in physics.

THE SPINNEY PRIZE.—A prize of fifteen dollars is awarded for excellence in Greek. It will be given in 1911 for special work based in part on the first half of Course II. in Greek.

THE RICE PRIZE.—A prize of twenty dollars, given in memory of Rev. William Rice, D. D., is awarded for excellence in mathematics. It will be given in 1911 upon a special examination based on Course VII. in mathematics.

THE WALKLEY PRIZE.—A prize of twenty dollars, the income of a fund given by Webster R. Walkley, D. C. L.—*in memoriam* David Hart Walkley, born April 23, 1857; graduated June 27, 1878; died September 16, 1878,—is awarded for excellence in psychology. It will be given in 1911 for the best examination on the work of the elementary course in psychology, including the references and collateral readings.

Students who compete for either the Weeks, the Camp, the Johnston, the Spinney, the Rice, or the Walkley prize must do so during the year in which they regularly pursue the course or courses on which the examination for the prize is based.

THE WISE PRIZE.—A prize of twelve dollars, the income of a fund given by Rev. Daniel Wise, D. D., is awarded to that member of the Senior class who excels in ethics. It will be given in 1911 to that member of the Senior class who presents the best paper on "Ethics in Education."

THE PRENTICE PRIZE.—A prize of twenty-five dollars, given by Mrs. Elizabeth Brooks Prentice in memory of Professor George Prentice, is awarded to that member of the Senior class who excels in German. It will be given in 1911 upon a special examination based on Course XI. in German.

THE SHERMAN PRIZE.—A prize of ten dollars, the income of a fund given by Rev. David Sherman, D. D., is awarded this year to that member of the Freshman class who excels in Greek. It will be given upon a special examination on the orations of Lysias contained in the edition of Adams, and on a general knowledge of his life and works. The subject of the examination in 1912 will be mathematics; in 1913, Latin.

THE AYRES PRIZE.—A prize of forty-five dollars, the income of a fund given by Daniel Ayres, M. D., LL. D., is awarded to that member of the Freshman class who is found upon a special examination, held shortly after the beginning of the college year, to have attained the highest excellence in the following studies: Latin, Greek, English, ancient history and geography, mathematics.

THE RICH PRIZE.—A prize of thirty dollars, the income of a fund given by Isaac Rich, in memory of his wife, is awarded to that member of the Senior class whose oration at Commencement is deemed best in composition and delivery. These orations must not exceed twelve hundred words in length, and must be left with the Professor of English Literature on or before the second Tuesday preceding Commencement (June 13, 1911).

THE OLIN PRIZE.—A prize of sixty-five dollars, the income of a fund given by Mrs. Julia M. Olin, and increased by Stephen Henry Olin, LL. D., is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1911: Robert Browning as an Ethical Teacher. The subject for the essay of 1912: Count Leo Tolstoi. Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 24, 1911).

THE FOSS PRIZE.—A prize of fifty dollars, the gift of the Philadelphia Wesleyan Alumni Association, in memory of Cyrus David Foss, D. D., LL. D., President of Wesleyan University, 1875-1880, is awarded to that student who maintains the highest standing in the course in Advanced English Composition, elective for Juniors and Seniors.

JUNIOR EXHIBITION PRIZES.—Two prizes, of twenty and fifteen dollars respectively, are awarded to the two members of the Junior class who present the best orations at the annual Junior Exhibition. In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 22, 1911).

THE COLE PRIZE.—A prize of thirty-five dollars, the gift of George Henry Walker, B. S., in memory of Charles Edward Cole, is awarded to that member of the Sophomore class who maintains the highest standing in English composition from the mid-year period of his Freshman year to the end of his Sophomore year.

THE BRIGGS PRIZE.—A prize of sixty-five dollars, the income of a fund given by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

THE CALEF PRIZE.—A prize of fifty dollars, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

THE PARKER PRIZE.—A prize of ten dollars, the income of a fund given by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

THE HIBBARD PRIZE.—A prize of ten dollars, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

THE TAYLOR PRIZE.—A prize of ten dollars is awarded to the student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1909-1910.

The Harrington Prize, to THOMAS CHARLES FLOOD, 1910.

The Joseph D. Weeks Prize, to WILLIAM RANDOLPH MONTGOMERY, 1911.

The Peirce Prize, to AGNES TREADWAY THOMPSON, 1910.

Committee of Award:—Jessie Weston Fisher, M. D., of Middletown.

The Phi Beta Kappa Prize, to EDGAR WATTERS WALLIS, 1912.

The G. Brown Goode Prize, to HAROLD MORTON BOWER, 1910.

The John Bell Scott Prize, to VEO FULLER SMALL, 1913.

Committee of Award:—Professor Irving Charles LeCompte, Ph. D., of Yale University.

The Weeks Prize, to DARRELL SULLY BOYD, 1910.

The Camp Prize, to GEORGE LANDON BUCK, 1912.

The Johnston Prize, to WINFRED KING PETIGRUE, 1913.

The Spinney Prize, to LOUIS CARTER FLOCKEN, 1912.

Committee of Award:—Professor Charles Brewster Randolph, Ph. D., of Clark College.

The Rice Prize, to HAROLD PUTNAM FROST, 1911.

Committee of Award:—John Kenyon Lamond, Ph. D., of Yale University.

The Walkley Prize, to WILLIS ALEXANDER GIBBONS, 1910.

The Wise Prize, to FRANCIS FINLEY ROBINSON, 1910.

The Prentice Prize, to ANNIE BACON LEWIS, 1910.

Committee of Award:—Professor George Taylor Files, Ph. D., of Bowdoin College.

The Sherman Prize, to WILLIAM COLCORD WOODS, 1913.

The Ayres Prize, to BREWSTER HAWKINS JONES, 1914, prepared at Belleville (N. J.) High School, and Newark (N. J.) Academy.

The Rich Prize, to GEORGE SWIFT BRENGLE, 1910.

Committee of Award:—George Silas Coleman, LL. D., of New York; Silas Arnold Robinson, LL. D., of Middletown; and Henry Wade Rogers, LL. D., of Yale University.

The Olin Prize, to JOHANNA MARIA ELIZABETH ZEILITZ, 1910.

Committee of Award:—Professor Walter Cochrane Bronson, Litt. D., of Brown University.

The Mead Prize, to ROBERT WARREN CONOVER, 1911.

The Cole Prize, to RICHARD WILLIAM EATON, 1912.

The First Junior Exhibition Prize, to CONSTANTINE MARIUS PANUNZIO, 1911.

Committee of Award:—Honorable Gustaf Birger Carlson, B. A., of Middletown; William Alonzo Wheatley, M. A., of Middletown; and Professor Joseph William Hewitt, Ph. D.

The Second Junior Exhibition Prize, to FRANK CHAPLAIN BRODHEAD, 1911, and WILLIAM RANDOLPH MONTGOMERY, 1911.

Committee of Award:—Same as for the First Junior Exhibition Prize.

The Briggs Prize, to ARTHUR THORNTON VANDERBILT, 1910.

Committee of Award:—Honorable Wesley Ulysses Pearne, B. A., of Middletown; Reverend Edgar Rhuel Hyde, B. A., of Middletown; and Wallace Kellum Bacon, of Middletown.

The Calef Prize, to CONSTANTINE MARIUS PANUNZIO, 1911.

Committee of Award:—Honorable Arthur Benjamin Calef, of Middletown; Reverend Charles Wesley Flint, M. A., of Middletown; and Professor Walter Guyton Cady, Ph. D.

The Parker Prize, to JAMES HERMAN KLEIN, 1912.

Committee of Award:—Same as for the Calef Prize.

The Hibbard Prize, to HENRY HITT CRANE, 1913.

Committee of Award:—Same as for the Calef Prize.

The Taylor Prize, to GEORGE SWIFT BRENGLE, 1910.

APPOINTMENTS FOR JUNIOR EXHIBITION AND COMMENCEMENT.

The Junior Exhibition is held on the third Thursday evening of the spring term (May 4, 1911). The speakers are selected from the men of the Junior class according to their grade in composition subsequent to the Freshman year and by means of a special contest in declamation. The selection of speakers for Commencement, from the men of the Senior class, is determined by their grade in the rhetorical exercises of the Junior and the Senior year and by a special contest in declamation. The number of speakers at each of these public exercises is limited to eight.

The speakers last year were:—

JUNIOR EXHIBITION.

Frank Chaplain Brodhead,	William Randolph Montgomery,
William Crawford Judd,	Fales Newhall,
Constantine Marius Panunzio.	

COMMENCEMENT.

George Swift Brengle,	Howard Butler Merritt,
Walter Henry Brown,	Paul North Rice,
Paul Gill Dennis,	Clyde Bronson Stuntz,
Edward Raymond Hance,	Arthur Thornton Vanderbilt.

HONORS IN SCHOLARSHIP.

I. HONORS IN GENERAL SCHOLARSHIP.—Two grades of honor, designated respectively as honors and high honors, are conferred at graduation, based upon the general scholarship of the student throughout his whole course.

An honor in general scholarship is awarded to a student who has received a grade not below third on an aggregate of not less than 56 hours' work, as reckoned in the record of standings, has received first grade on a number of hours' work not less than the part of the 56 hours' work on which he has received third grade, and has not fallen below fourth grade in any study of the course.

A high honor in general scholarship is awarded to a student who has received a grade not below second on an aggregate of not less than 56 hours' work, has received first grade on an aggregate of not less than 46 hours' work, and has not fallen below third grade in any study of the course.

II. PRELIMINARY HONORS.—Preliminary honors are awarded in the departments of classics and of mathematics at the end of the Sophomore or Junior year, and no student can receive special honors at graduation in Greek, Latin, or mathematics, who has not previously received the corresponding preliminary honors. Notice of candidacy for preliminary honors must be given to the senior officer of the department, and to the Secretary of the Faculty, as early as the first Monday of the third term of the year in which the candidate intends to present himself for the special examination (April 24, 1911). The case of each candidate is decided by the Faculty. The special regulations concerning the award of preliminary honors are as follows:—

Classics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade, in the following courses:—I., I.A, II., and either III. or IV. Greek, and I., I.A, two of Courses II.–V., and any one of Courses VI., XVI., and XVII. in Latin.

2. He must also pass with distinction a special examination, held near the end of the academic year, and designed to test (*a*) his ability to translate Greek and Latin into English

at sight, and (*b*) his knowledge of Greek and Latin grammar, and of Greek and Roman antiquities, mythology, and political and literary history.

Mathematics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade, in such courses in mathematics, amounting to not less than nine hours a week, as may be approved by the head of the department.

2. He must pass with distinction a special examination, held near the end of the academic year, which may cover the entire field of his mathematical knowledge.

III. HONORS IN SPECIAL DEPARTMENTS AT GRADUATION.—Two grades of special honor, designated respectively as honors and high honors, are awarded at graduation in each of the following departments:—

Latin; Greek; German; Romance Languages; English; History; Economics and Social Science; Philosophy; Mathematics; Physics; Chemistry; Geology; Biology.

The conditions upon which special honors in these departments are awarded are as follows:—

(1) The candidate must apply to the officer in charge of the department in which he desires to take honors, and to the Secretary of the Faculty, not later than the first Monday of the third term in the Junior year (April 24, 1911).

(2) He must pass at the regular or special examinations in such studies of the college course as are prescribed for honors in the several departments in the schedule given below; and in such studies he must not fall below third grade, and must maintain an average standing of second grade after the beginning of the Sophomore year, or must receive first grade in all of the prescribed studies which he takes after the beginning of the Junior year.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or

written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 10, 1911).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year, and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than sixteen hours a week.

2. Courses I., I.A, II., and either III. or IV., in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.–VII. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I., I.A, and two of Courses II.–V., in Latin.

German.—1. Courses I.-IV., IX.-XII., and one of Courses V., VI., and VII., in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Course IV. in English language.

Romance Languages.—1. Courses I.-VI. in French, and any two other courses in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a) Five courses in English literature; Course IV. or Course VI. in English language; two courses in French, or two courses in German.

(b) Four courses in English language; two courses in English literature; two courses in German and one course in French, or two courses in French and one course in German.

History.—1. All the courses in history.

2. Any three courses in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III., in history.

Philosophy.—One of the following groups of courses:

(a) Courses I.-IV. and VI.-XI. in philosophy, the course in ethics, and the course in theism.

(b) Courses I.-V. and VII.-X. in philosophy, and Courses IV. and VIII. in biology.

Mathematics.—1. Courses in mathematics and astronomy amounting in the aggregate to not less than nineteen hours a week.

2. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course VII. in mathematics in the Sophomore year.]

Physics.—1. Course I. in physics.

2. Two years of practical physics, amounting in the aggregate to not less than five hours a week.

3. Not less than the equivalent of nine hours per week for a year, chosen from Courses III., IV., V., VI., VII., IX., and X. in physics, and Course XIV. in mathematics.

4. Courses I. and II. in chemistry.

5. Course VII. in mathematics.

Chemistry.—1. Courses I.-III., V., VI., XV., and XVI. in chemistry.

2. (a) Courses VII., IX., and X. in chemistry, Course I. in physics, and one year of practical physics; or (b) Courses XI., XII., and XIII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.-VI. in geology.

2. The course in descriptive astronomy.

3. Courses II. and III. in biology.

4. Not less than two of the following courses:—V., VI., VII., and VIII. Biology, II. and III. Chemistry, and IV. Physics.

Biology.—1. Courses I.-IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).

3. Courses I. and II. in geology.

4. Course I. in chemistry.

5. Either Courses II. and III. in chemistry, or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 19, 1911).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.



AWARD OF HONORS, 1909-1910.

HONORS IN GENERAL SCHOLARSHIP.

HIGH HONORS.

Margaret Crawford,	Agnes Treadway Thompson,
Marion Wilson Greene,	Johanna Maria Elizabeth Zeilitz.

HONORS.

Harold Morton Bower,	Edward Raymond Hance,
Darrell Sully Boyd,	Howard Butler Merritt,
George Swift Brengle,	Harry Hathaway Pethick,
Robert Parsons Bridge,	Paul North Rice,
Walter Henry Brown,	Richard Homer Schmidt,
Paul Gill Dennis,	Winfred Newton Stilwell,
Willis Alexander Gibbons,	George Machin Stockdale,
Raymond Livingston Gillispie,	Clyde Bronson Stuntz,
Arthur Thornton Vanderbilt.	
Annie Bacon Lewis.	

HONORS IN SPECIAL DEPARTMENTS.

HONORS.

English.

Johanna Maria Elizabeth Zeilitz. Studies in the Poetry of Robert Browning. Thesis: "Browning's Conception of Love as a Force in Life and an Argument in Religion."

DEGREES.

The following degrees are conferred by the University in course: Bachelor of Arts (B. A.), Bachelor of Science (B. S.), Master of Arts (M. A.), Master of Science (M. S.).

THE BACHELOR'S DEGREE.—The degrees of Bachelor of Arts and of Bachelor of Science are conferred on those who have met the requirements for admission to the respective courses as set forth on page 29, and have taken the required quota of studies in college, as prescribed on pages 96-98.

The baccalaureate degree is awarded *summa cum laude* to a student who takes high honors both in general scholarship and in one or more departments; *magna cum laude*, to a student who takes a high honor either in general scholarship or in one or more departments; *cum laude*, to a student who takes an honor either in general scholarship or in one or more departments.

THE MASTER'S DEGREE.—The degrees of Master of Arts and Master of Science are conferred in accordance with the following regulations:—

1. The degree of Master of Arts is conferred upon Bachelors of Arts of Wesleyan University, of at least one year's standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued in residence for a period of not less than one year.* This course of study is under the full direction of a Committee of the Faculty on Graduate Instruction, composed of three permanent members with the

* Candidates for the Bachelor's degree may, in their Senior year, be admitted to study for the Master's degree, and may count the year as satisfying the requirement of one year's study in residence, provided that the amount of their undergraduate work remaining to be completed at the close of the September special examinations does not exceed four hours. The Master's degree is not conferred, however, on such candidates until the Commencement succeeding that at which the Bachelor's degree has been conferred.

addition of the instructor in charge of each department in which the candidate pursues work.

Bachelors of Philosophy of Wesleyan University who apply for the Master's degree are eligible for the degree of Master of Arts.

2. In the case of Bachelors of Arts of other colleges whose course of study is accepted by the Committee on Graduate Instruction, or who pass such additional examinations as the Committee may prescribe, the degree of Master of Arts is conferred on the conditions prescribed in the case of Bachelors of Arts of Wesleyan University pursuing a course of study in residence.

3. The degree of Master of Arts is also conferred upon Bachelors of Arts of Wesleyan University, of at least three years' standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued *in absentia*, and equivalent in amount to that prescribed in the case of resident graduate students; and in all other particulars the same regulations hold in the case of non-resident as in the case of resident students. The degree is also conferred upon Bachelors of Arts of Wesleyan University, of two years' standing, at the satisfactory conclusion of a course of study pursued *in absentia*, on the conditions above specified, provided that the candidate has spent the two years in resident study in a non-professional department of some other university.

4. The degree of Master of Science is conferred upon Bachelors of Science of Wesleyan University, and upon graduates of other colleges holding an equivalent degree, under the same conditions which govern in the case of the degree of Master of Arts.

5. Bachelors of Science of Wesleyan University, and graduates of other colleges holding a Bachelor's degree other than that of Bachelor of Arts, who pass such examinations in Greek or Latin, and in other literary studies, as the Committee on Graduate Instruction may prescribe, are admitted to the degree of Master of Arts on the conditions prescribed in the case of Bachelors of Arts.

6. A fee of five dollars (payable to the Secretary of the Committee) is required of every candidate for the Master's

degree at his enrolment; and a fee of ten dollars (payable to the Assistant Treasurer of the University) is required when the degree is conferred.

7. Evidence of the candidate's proficiency in the approved course of study is given in one or more of the following ways, as the Committee may prescribe: (*a*) by examinations, oral or written; (*b*) by a thesis; (*c*) by the exhibition of scientific specimens, preparations or processes. All such tests of proficiency are under the direction of the Committee, and they report to the Faculty proper candidates for the degree.

In addition to these regulations of the Trustees, the Committee on Graduate Instruction has from time to time adopted standing rules of procedure, among which the following should be noted as specially important:—

Whatever other tests of proficiency may be prescribed, each candidate for the Master's degree is required to pass an oral examination in the presence of the Committee, upon the whole, or a previously specified part, of his course of study.

All examinations, of non-resident as well as of resident candidates, are conducted at the University.

Unless the Committee, for important reasons, determines otherwise in some specific case, no examinations will be given (except in regular college courses), and no thesis or other work prescribed in preparation for the degree will be received, later than the second Saturday before Commencement in the academic year in which the candidate desires to be recommended for the degree (June 10, 1911).

No time-limit is generally fixed within which courses for the Master's degree must be completed. But candidates who have not completed their work at the expiration of six years from the date of their enrolment must renew their enrolment, if they wish to continue their courses. For such renewal no fee will be required.

A complete statement of these rules may be obtained by applying to the Secretary of the Committee on Graduate Instruction (in care of the Office of the University, South College), to whom also all communications from prospective candidates should, in the first instance, be addressed.

DEGREES CONFERRED, JUNE 29, 1910.



DEGREES IN COURSE.

The Degree of Bachelor of Arts was conferred on:—

William Ketcham Anderson,	Howard Levering Hill,
Roger Whiting Bacon,	Winfred Byron Holton, Jr.,
Harold Morton Bower,	William Ludlow James,
Darrell Sully Boyd,	Howard Butler Merritt,
George Swift Brengle,	Alfred Douglass Moore,
Robert Parsons Bridge,	Ernest Frederick Neumann, Jr.,
Walter Henry Brown,	Harrison Edgar Persons,
John Porter Burnham,	Harry Hathaway Pethick,
Roy Livingston Burns,	Paul North Rice,
Paul Gill Dennis,	Arnold Franklin Rich,
Benjamin Minter Denniston,	Jesse David Roberts,
Thomas John Dodd,	Francis Finley Robinson,
Stewart Alexander Farrell,	Richard Homer Schmidt,
Thomas Charles Flood,	Frank Seymour Smith,
Willis Alexander Gibbons,	Irving LeRoy Smith,
Raymond Livingston Gillispie,	Winfred Newton Stilwell,
Warren Wilmot Hamilton,	George Machin Stockdale,
Edward Raymond Hance,	Clyde Bronson Stuntz,
Edwin Thomas Harman, 2d,	Arthur Thornton Vanderbilt.
Clara Catherine Angus,	Esther Elizabeth Parker,
Margaret Crawford,	Ruth Almira Swan,
Marion Wilson Greene,	Ruth Weeks Sykes,
Agnes Nora Hogan,	Agnes Treadway Thompson,
Annie Bacon Lewis,	Johanna Maria Elizabeth Zeilitz.

The Degree of Bachelor of Science was conferred on:—

Robert Edwin Beaton,	William Henry Odell, Jr.,
Milton Lanyon Bennett,	Charles Haverly Oswald,
Sanford Tiffany Bennett,	Peter August Pfeiffer,
Harlow Butterfield Bristol,	Samuel Powell,
Louis George Connor,	Griffin B. Townsend,
Earl deWitt Deremer,	Henry Carlos Wilcox,
Rodney Rathbone McCathran,	Alfred Redfield Wright,
Perry Dennis Glenford Pennington.	

The Degree of Master of Arts on examination was conferred on:—

Kenneth Noël Atkins, Ph. B., 1908. Subjects: Bacteriology and Chemistry. Thesis: "The Growth of *Bacillus Typhosus* in Concentrated Milk."

Walter Parks Bliss, B. A., 1909. Subjects: Bacteriology and Chemistry. Thesis: "Ozone and the Sterilization of Milk."

Roy Bullard Chamberlin, B. A., 1909. Subjects: English Literature and English Language. Thesis: "Carlyle, De Quincey, Hazlitt—A Comparative Study of Style."

Carl Whitman Doxsee, B. A., 1909. Subjects: English Literature and Philosophy. Thesis: "The Aesthetic Movement in English Poetry, Its Causes, Development and Decline."

Philip Lombard Given, B. A., 1909. Subjects: English Literature and Philosophy. Thesis: "The Influence of Coleridge upon English Thought in Philosophy and Theology."

Samuel Foss Holmes, Ph. B., 1904. Subject: English Literature. Thesis: "Samuel Johnson and His Attitude towards the New Romantic Tendency."

Henry Alfred Holmes, B. A., 1905. Subject: German. Thesis: "Franz Grillparzer's Hellenic Dramas, 'Sapho,' 'Das Goldene Vliess,' and 'Des Meeres und Der Liebe Wellen.'"

Eric McCoy North, B. A., 1909. Subjects: Social Science and Philosophy. Thesis: "Causes of German Emigration."

John Brockway Rippere, B. A., 1901. Subjects: Latin and Greek. Thesis: "To what Extent is there in the Annals of Tacitus Historical Justification for the Satires of Juvenal?"

Frank Hatch Streightoff, B. A., 1909. Subjects: Social Science and History. Thesis: "The Standard of Living among the Industrial People of America."

William Rulon Williamson, B. A., 1909. Subjects: English Literature and Economics. Thesis: "Carlyle's Conception of History and its Result upon his Historical Method."

Stanley Davis Wilson, B. A., 1909. Subjects: Chemistry and Physics. Thesis: "Studies on Phosphatides."

Harvey Alden Wooster, B. A., 1909. Subjects: Economics and Philosophy. Thesis: "Some Comparisons between the Theory and Practice of Protectionism in the United States, with Special Reference to the so-called Wages Argument."

The Degree of Master of Science on examination was conferred on:—

Adolph Burnett Benson, B. S., 1907. Subject: German. Thesis: "The German Romantic Märchen as the Culmination of the Romantic Movement in Germany."

HONORARY DEGREES.

The Degree of Master of Arts was conferred on:—

Francis Asbury Bagnall, B. A., 1890.

The Degree of Doctor of Divinity was conferred on:—

Elwell Alexander Bishop, B. A., 1878, Principal of Montpelier Seminary.

Benjamin Coulbourn Conner, B. A., 1876.

Benjamin Franklin Kidder, B. A., 1881.

Charles Wesley McCormick, B. A., 1881.

Homer Clyde Stuntz, First Assistant Corresponding Secretary, Missionary Society of the Methodist Episcopal Church.

The Degree of Doctor of Laws was conferred on:—

John Edward Eustis, B. S., 1874, Member of the Public Service Commission, New York City.

PUBLICATIONS.

ALUMNI RECORD.—Through the liberality of Orange Judd, M. A., a Biographical Record of the Alumni of the University was published in 1869. A third edition of this Record, revised and corrected, was issued in June, 1883. This edition contains not only the record of alumni, revised and corrected to the date of publication, but also a list of all former students not graduates, with their residences, and such other information with reference to them as the most thorough search could obtain. It also includes a bibliographical record, showing all the more important literary and scientific work done by alumni and members of the Faculty. Copies of this edition may be had on application to the librarian, W. J. James. The price of the Record, postage prepaid, is one dollar.

A ninth edition of the Supplement to the Alumni Record was published in December, 1909. It contains an alphabetical list of the living graduates, with their honorary and professional degrees, their occupations, their addresses, and their geographical distribution; also a list of honorary alumni, with their addresses, if living, or date of death, if deceased. This edition also contains as full information as can be obtained concerning the non-graduates.

Information in regard to changes of address of alumni or non-graduates, or in regard to any other facts suitable for future editions of the Record, is earnestly solicited. All who can furnish such information are requested to communicate with Professor F. W. Nicolson, Secretary of the Faculty.

WESLEY BICENTENNIAL.—A memorial volume was issued early in 1904 containing a full record of the celebration of the bicentennial anniversary of the birth of John Wesley by Wesleyan University at the Commencement of 1903. The book was printed by Theo. L. DeVinnie & Co., of New

York. It contains over 250 pages, and includes a general account of the celebration, the full text of all the addresses delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of degrees, honorary and in course, and of nearly six hundred alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds, with two excellent portraits of John Wesley, and with portraits of the principal speakers. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.50, postage prepaid.

SEVENTY-FIFTH ANNIVERSARY.—A memorial volume, descriptive of the celebration of the seventy-fifth anniversary of the founding of Wesleyan University, held during the Commencement week of 1906, was published in June, 1907. The volume contains a full account of all the proceedings, including the text of all the addresses, a list of the alumni attending the celebration, a list of degrees conferred, etc., and is illustrated with pictures relating to the history of the University. The historical address by Professor William North Rice and the pictures of the college, old and new, are of peculiar interest to all former students. The volume is published in a form in keeping with the interesting and valuable record it contains. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.00, postage prepaid.

INSTALLATION VOLUME.—A volume entitled *The Installation of William Arnold Shanklin, L. H. D., LL. D.*, as Ninth President of Wesleyan University, was published in 1910. Besides an introductory account of the exercises, the book contains a verbatim report of all the speeches delivered at the various exercises of the day, reproductions of all programmes and other printed matter connected with the occasion, and lists of the trustees, faculty, delegates, invited guests, and alumni who were in attendance. A portrait of President Shanklin forms the frontispiece. The volume contains 154 pages and is neatly bound in dark red cloth. Copies may be obtained from the Librarian of the University at one dollar each.

BULLETIN.—The *Bulletin* was first issued in 1888, and has since been published twice a year (usually in May and December), under the direction of a committee of the Faculty. It contains accounts of trustee and alumni meetings, lists of recent gifts, statements of the most urgent needs of the University, changes in the Faculty and courses of study, department notes, and various other matters of interest to the alumni and friends of the institution. It is sent to the trustees and alumni, and may be obtained by other friends of the University upon application to the Secretary of the Faculty.

PICTURE OF THE COLLEGE.—A photogravure in sepia, fifteen by twenty-eight inches, showing the college campus and most of the college and fraternity buildings, has been published by W. T. Littig & Co., of New York. The college has a number of copies of the picture for sale to alumni and others. Price \$5.00 each. Orders should be sent to Professor F. W. Nicolson, Secretary of the Faculty.

NECROLOGY.—A list of deceased graduates of the University is published annually in the Spring *Bulletin*. All persons who can supply information for future lists are urgently requested to communicate the same to Professor F. W. Nicolson, Secretary of the Faculty.

ALUMNI ASSOCIATIONS.

GENERAL ALUMNI ASSOCIATION.

President—Edward Bennett Rosa, '86, Washington, D. C.

Corresponding Secretary—William John James, '83, Middletown.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.

President—Vernon Benjamin Swett, '96, Boston, Mass.

Secretary—Olin Fisk Herrick, '02, 4A Park Street, Boston, Mass.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.

President—Gordon Clark Douglass, '08, Brookline, Mass.

Secretary—Frederic Stewart, '08, 31 West Ninth St., New York, N. Y.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.

President—George Mason LaMonte, '84, Bound Brook, N. J.

Secretary—Herbert Bronson Shonk, '03, 2 Rector Street, New York, N. Y.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.

Secretary—Ralph Walter Rymer, '00, 507 Connell Building, Scranton, Pa.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.

President—Wilbur Ashley Mott, '82, South Orange, N. J.

Secretary—Clarence Mulford Day, '09, 1190 Broad St., Newark, N. J.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.

President—Wilbur Fisk Hamilton, '79, Philadelphia, Pa.

Secretary—George Imlay Bodine, Jr., '06, 129 South Fourth St., Philadelphia, Pa.

WESLEYAN ALUMNI ASSOCIATION OF THE MIDDLE WEST.

President—Abram Winegardner Harris, '80, Evanston, Ill.

Secretary—John Edwin Wing, '00, 115 Adams St., Chicago, Ill.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.

President—Charles Melville Parker, '68, Pasadena, Cal.

Secretary—Ernest Perley Clarke, '85, Riverside, Cal.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.

President—Walter Earle Russell, '93, Gorham, Me.

Secretary—Josiah Willard Taylor, '02, Augusta, Me.

WESLEYAN ALUMNI ASSOCIATION OF CENTRAL NEW YORK.

President—Theodore E. Hancock, '71, Syracuse, N. Y.

Secretary—Walter Charles North, '06, 36 Bayview Ave., South Norwalk, Conn.

WESLEYAN ALUMNI ASSOCIATION OF WASHINGTON, D. C.

President—Martin Augustine Knapp, '68, Washington, D. C.

Secretary—Edward William Thompson, '98, 1601 Connecticut Ave., Washington, D. C.

WESLEYAN ALUMNI ASSOCIATION OF EASTERN NEW YORK.

President—Ernest Loren Meritt, '91, Gloversville, N. Y.

Secretary—Arthur Harold Burdick, '99, 16 University Place, Schenectady, N. Y.

PHILADELPHIA YOUNG ALUMNI CLUB.

President—Harry Arthur Thompson, '93, Philadelphia, Pa.

Secretary—George Inlay Bodine, Jr., '06, 129 South Fourth St., Philadelphia, Pa.

EMPLOYMENT BUREAUS.

An employment bureau is maintained in the office of the Secretary of the Faculty, for the purpose of securing positions as teachers for graduates of the college. Those who wish to avail themselves of the opportunity thus offered are invited to register; and the alumni and friends of the college are urgently requested to inform the Secretary of any vacancy coming to their notice which might be filled by a Wesleyan graduate.

An employment bureau is maintained by the Young Mens' Christian Association through which needy undergraduates are aided in securing employment during the college year and the summer vacation. Those who wish to avail themselves of this opportunity are invited to register. Alumni and friends of the college are requested to inform the General Secretary of any vacant positions which might be filled by Wesleyan men. No fees are charged in either bureau.

CALENDAR.

1910.

Sept. 22. Thursday, 9 A. M.—First term begins.

Nov. 24-25. Thanksgiving recess.

Dec. 21. Wednesday—First term ends.

CHRISTMAS RECESS.

1911.

Jan. 5. Thursday—Second term begins.

Jan. 9. Monday—Last day for presenting applications for winter special examinations.

Jan. 23-Feb. 4. Mid-year examinations.

Feb. 22. Wednesday—Washington's Birthday—a holiday.

Mar. 9. Thursday—Prize Debate.

April 11. Tuesday—Second term ends.

SPRING RECESS.

April 19. Wednesday—Third term begins.

April 22. Saturday—Last day for presenting Junior Exhibition essays.

April 24. Monday—Last day for presenting Olin Prize essays.

April 24. Monday—Last day for presenting applications for preliminary and special honors.

April 24. Monday—Last day for presenting applications for spring special examinations.

May 4. Thursday—Junior Exhibition.

May 15. Monday—Last day for presenting Joseph D. Weeks Prize essays.

May 25. Thursday—Prize declamation contest.

May 30. Tuesday—Memorial Day—a holiday.

June 2. Friday—Annual examinations begin.

June 10. Saturday—Last day for presenting special honor theses, and for special honor examinations.

June 10. Saturday—Last day for presenting Master's theses, and for examinations for the Master's degree.

- June 13. Tuesday—Last day for presenting Rich Prize essays.
June 18. Sunday morning—Baccalaureate sermon.
June 18. Sunday evening—University sermon.
June 19-24. Examinations of College Entrance Examination Board.
June 19. Monday morning—Business meeting of the Phi Beta Kappa Society.
June 19. Monday morning—Announcement of award of prizes and of preliminary honors.
June 19. Monday afternoon—Class Day.
June 19. Monday evening—Meeting of the Board of Trustees.
June 20. Tuesday morning—Meeting of the Board of Trustees.
June 20. Tuesday morning—Business meeting of the Alumni Association.
June 20. Tuesday afternoon—Social receptions by the college fraternities.
June 21. Wednesday—COMMENCEMENT.

VACATION OF THIRTEEN WEEKS.

- Sept. 19. Tuesday—Special examinations for students deficient at the annual examinations.
Sept. 20-21. Examination of candidates for admission.
Sept. 21. Thursday, 9 A. M.—First term begins.

INDEX.

	PAGE		PAGE
Abbreviations, - - -	27, 47	Descriptive geometry, - - -	81
Absence from college, - -	105, 107	Dining hall, - - -	110
from recitations, - -	104	Diploma fees, - - -	107, 139
Admission, Terms of, - -	29, 46	Dormitory accommodations, -	108
Alumni associations, - - -	147	Dramatic association, - - -	106
Alumni Record, - - -	144	Economics, - - -	68
Apparatus, - - -	114	Elective studies, - - -	28, 94, 96
Astronomy, - - -	75, 113	Electricity, - - -	79-81
Athletic Council, - - -	106	Employment bureaus, - - -	148
Athletics, - - -	100, 116	English language, - - -	63
Ayres prize, - - -	126	English literature, - - -	61
Bachelor of Arts Course, -	28, 29, 96	Ethics, - - -	74
Bachelor of Science Course, -	28, 29, 96	Ethnographical collections, -	119
Bacteriology, - - -	90	Evidences of Christianity, -	74
Bible, English, - - -	74, 75	Evolution, - - -	90
Biology, - - -	88, 115	Examination groups, - - -	94
Board, Cost of, - - -	108, 110	Examinations, - - -	104
Botanical collections, - -	118, 120	for admission, - - -	44
Botany, - - -	88	Expenses, - - -	107
Buildings, New, - - -	111	Faculty, - - -	10
Bulletin, - - -	146	Committees of, - - -	14
Calendar, - - -	149	Fees, Laboratory, - - -	107
Certificate, Admission by, -	45	Diploma, - - -	107, 140
Chapel, - - -	105	Finance, - - -	68
Chemistry, - - -	82, 115	French, - - -	58
Classical club, - - -	100	French club, - - -	101
Coins, Collection of, - -	119, 120	Geological collections, - -	118
College Entrance Examination		Geology, - - -	86
Board, - - -	44	German, - - -	55
Commencement appointments, -	130	German club, - - -	101
Committees, Faculty, - - -	14	Grades, - - -	103
Trustee, - - -	8	Graduate instruction, {	28, 51, 54, 58,
Conditions, Entrance, - -	105		60, 62, 65, 70,
Courses, General, - - -	28, 47		73, 81, 86, 87
Special, - - -	28, 43	Graduate students, - - -	15
required, Schedule of, -	96-98	Greek, - - -	51
Crawford memorial fund, - -	114	Group system, - - -	98
Cryogenic laboratory, - - -	115	Gymnasium, - - -	116
Daily program, - - -	92-93	Hebrew, - - -	54
Degrees, - - -	28, 138	Herbarium, - - -	118, 120
conferred, - - -	141-143	History, - - -	66
Der Deutsche Verein, - - -	101	Honors, Award of, - - -	137

	PAGE		PAGE
Honors, General, - - -	131	Prizes, Award of, - - -	128
Preliminary, - - -	47, 52, 131	Psychology, - - -	71, 72, 114
Special, - - -	132	Publications, - - -	144
Hygiene, - - -	90	Public speaking, - - -	65
Italian, - - -	60	Quota of studies, - - -	103
Installation volume, - - -	145	Reading-rooms, - - -	113
Junior Exhibition, - - -	130	Recitations, Program of, - - -	92-93
Laboratories, - - -	111, 114	Regents' diplomas, - - -	45
Laboratory fees, - - -	107	Registration, - - -	103
La Société Française, - - -	101	Regulations, General, - - -	103
Latin, - - -	47	Religious services, - - -	105
Lectures, Departmental, etc., - - -	99	Required studies, - - -	28, 96-98
Library, - - -	113	Rhetoric, - - -	63
Liquefaction of gases, - - -	82	Romance languages, - - -	58
Loan fund, - - -	123	Rooms, - - -	108
Logic, - - -	71, 72	Scholarships, - - -	121
Machine shop, - - -	115	Science and Religion, Relations of, - - -	75
Major studies, - - -	98	Seventy-fifth anniversary, - - -	145
Mathematical models, - - -	116	Social science, - - -	69
Mathematics, - - -	75	Sociology, - - -	69
Mechanical drawing, - - -	81	Spanish, - - -	60
Middletown Scientific Association, - - -	100	Special courses, - - -	28, 43
Mineralogical collections, - - -	118, 120	Special honors, - - -	132
Mineralogy, - - -	87	Award of, - - -	137
Museum, - - -	117	Student organizations, - - -	106
Musical organizations, - - -	106	Students, List of, - - -	15
Natural history collections, - - -	117	Studies, Selection of, - - -	96
Necrology, - - -	146	Theism, - - -	74
Observatory, - - -	113	Trustees, - - -	3
Paleontology, - - -	87	Committees of, - - -	8
Philosophy, - - -	71	Tuition, - - -	107
Physical geography, - - -	86	Wesley bicentennial, - - -	144
Physics, - - -	78, 111, 114	Women, Admission of, - - -	46
Physiology, - - -	89	Expenses of, - - -	107
Picture of the College, - - -	146	Y. M. C. A., - - -	105
Political economy, - - -	68	Zoological collections, - - -	117, 120
Preliminary honors, - - -	47, 52, 131	Zoology, - - -	88
Prizes, - - -	124		

378.73

W5

UNIV. OF MICHIGAN

JAN 28 1912

Vol. 5

JANUARY, 1912

No. 4

—THE—

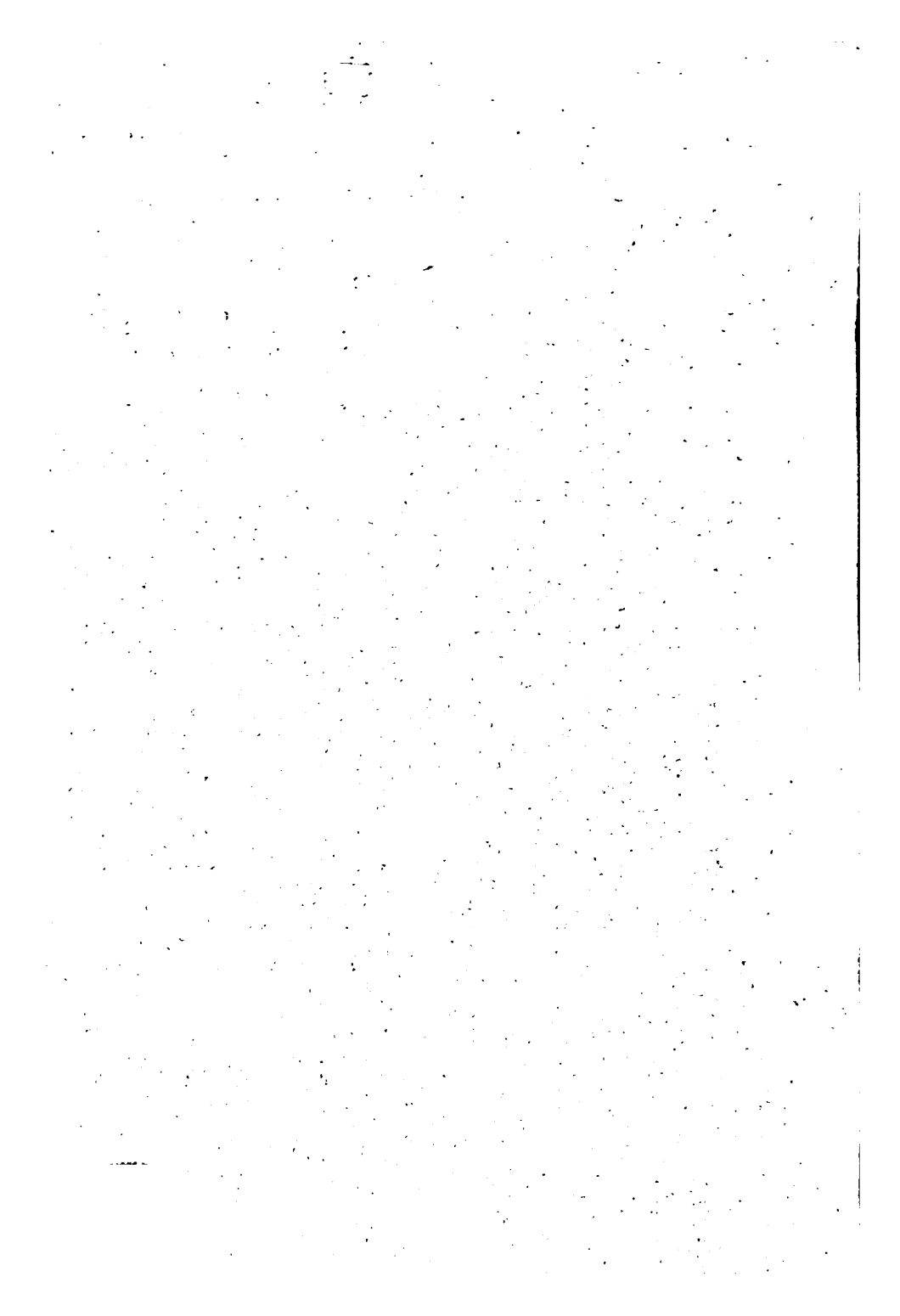
WESLEYAN UNIVERSITY BULLETIN



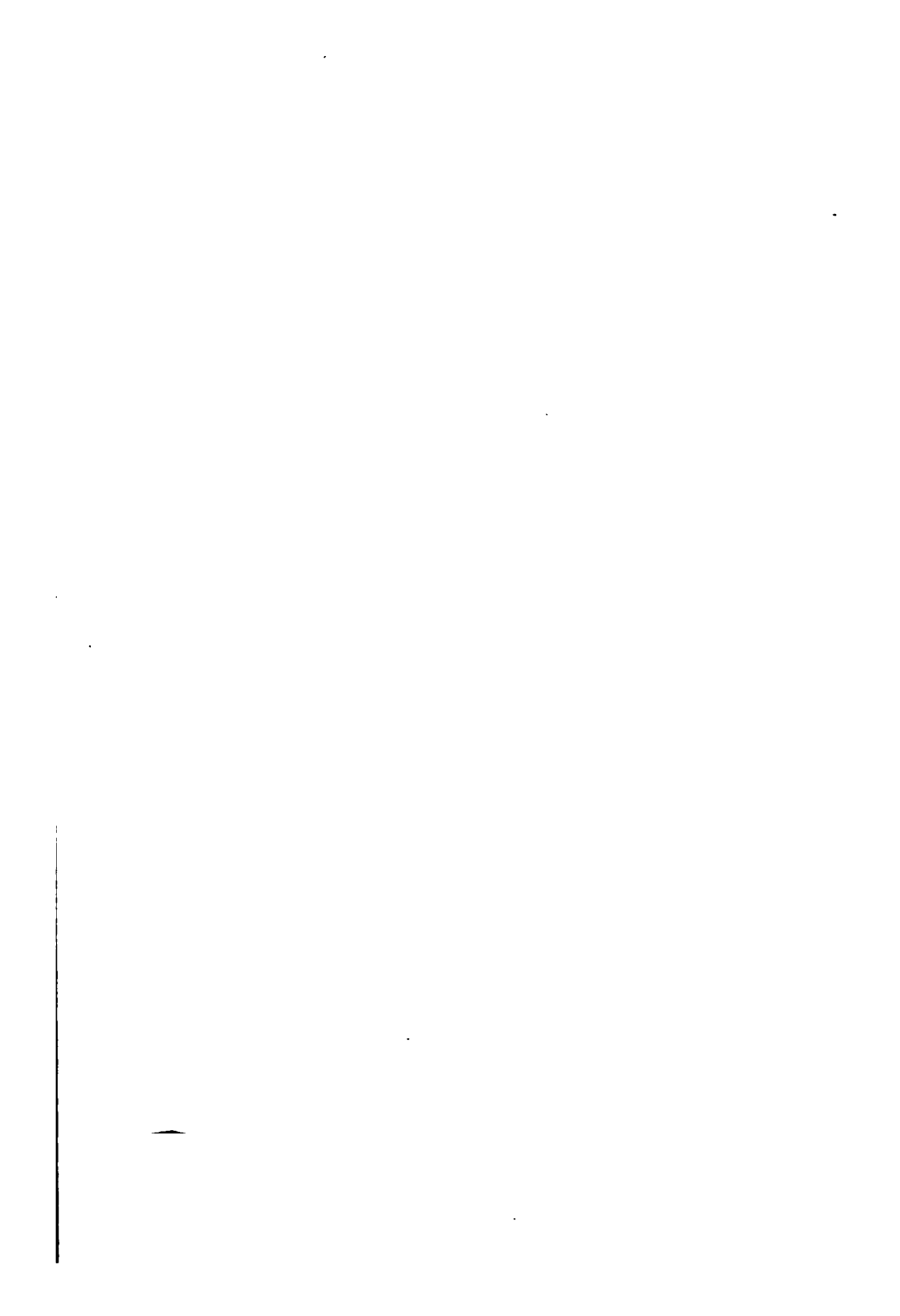
CATALOGUE NUMBER

1911-1912

MIDDLETOWN, CONN.:
FELTON & KING, PRINTERS AND BOOKBINDERS.
1912.







CATALOGUE

OF

WESLEYAN UNIVERSITY

1911-1912



MIDDLETOWN, CONN.
MCMXII.

THE WESLEYAN UNIVERSITY BULLETIN

Published by the University four times a year in May, June, December, and January.
Entered as second-class mail matter, June 8, 1907, at the post-office at Middletown
Connecticut, under the Act of Congress of July 16, 1894.

BOARD OF TRUSTEES.

JOHN CHEESMAN CLARK, LL. B., VICE-PRESIDENT,
34 Nassau St., New York, N. Y.

REV. DAVID GEORGE DOWNEY, D. D., SECRETARY,
14 W. Washington St., Chicago, Ill.

CLINTON DEWITT BURDICK, M. A., TREASURER,
175 Remsen St., Brooklyn, N. Y.

THE PRESIDENT OF THE UNIVERSITY,
(Member ex officio), Middletown.

TERM EXPIRES OCTOBER 1, 1912.

REV. JAMES MONROE BUCKLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

FRANK SMITH JONES,
Pearl and Water Sts., Brooklyn, N. Y.

JAMES NOEL BROWN,
5 Nassau St., New York, N. Y.

AMOS JAY GIVENS, M. D.,
Stamford.

HON. WESLEY ULYSSES PEARNE, B. A.,
Middletown.

§ HON. DARIUS BAKER, LL. D.,
Newport, R. I.

§ REV. DAVID GEORGE DOWNEY, D. D.,
14 W. Washington St., Chicago, Ill.

† WILLIAM PERRY BILLINGS,
98 S. River St., Wilkes-Barre, Pa.

† REV. WARREN LANNING HOAGLAND, D. D.,
Nulley, N. J.

† REV. CHARLES EDWARD DAVIS, D. D.,
319 Boston St., Lynn, Mass.

TERM EXPIRES OCTOBER 1, 1913.

CHARLES LEE ROCKWELL,
Meriden.

REV. AZEL WASHBURN HAZEN, D. D.,
Middletown.

WILLIAM EDWIN SESSIONS,
Bristol.

JOHN THOMAS PORTER,
Scranton, Pa.

WILLIAM HENRY BURROWS,
Middletown.

REUBEN NELSON BENNETT, B. A.,
307 Bennett Bldg., Wilkes-Barre, Pa.

§ HON. MARTIN AUGUSTINE KNAPP, LL.D.,
Washington, D. C.

§ THEODORE E. HANCOCK, LL.D.,
Syracuse, N. Y.

† REV. ALBERT PEARNE PALMER, M. A.,
Waterville, N. Y.

† REV. ELWELL ALEXANDER BISHOP, D. D.,
Montpelier, Vt.

TERM EXPIRES OCTOBER 1, 1914.

HON. PHINEAS CHAPMAN LOUNSBURY, LL.D.,
257 Broadway, New York, N. Y.

GEORGE SILAS COLEMAN, LL.D.,
Tribune Bldg., New York, N. Y.

JOHN EDGAR LEAYCRAFT,
311 West End Ave., New York, N. Y.

CYRUS DANIEL JONES,
Scranton, Pa.

JOHN CHEESMAN CLARK, LL. B.,
34 Nassau St., New York, N. Y.

§ WEBSTER ROGERS WALKLEY, D. C. L.,
27 Murray St., New York, N. Y.

§ FREDERIC WILCOX CLARKE, B. S.,
83 South St., Boston, Mass.

† REV. FRANK MASON NORTH, D. D.,
150 Fifth Ave., New York, N. Y.

† REV. DAVID HOWARD TRIBOU, D. D.,
Bucksport, Me.

† REV. HOWARD ABBOTT CLIFFORD, M. A.,
Winthrop, Me.

† REV. EDWIN SLOAN TASKER, B. A.,
Tilton, N. H.

TERM EXPIRES OCTOBER 1, 1915.

REV. JOSEPH ELIJAH KING, PH. D., D. D.,
Fort Edward, N. Y.

REV. WILLIAM VALENTINE KELLEY, D. D., LL. D.,
150 Fifth Ave., New York, N. Y.

HON. WATSON CARVOSSO SQUIRE, LL. D.,
Seattle, Wash.

ALBERT RANDOLPH CRITTENDEN,
Middletown.

JOHN GRIBBEL,
1513 Race St., Philadelphia, Pa.

JAMES GARDNER SHEPHERD,
Scranton, Pa.

WESLEYAN UNIVERSITY.

WILLIAM THAYER RICH,
200 High St., Boston, Mass.

§STEPHEN HENRY OLIN, LL. D.,
34 Nassau St., New York, N. Y.

§CHARLES SCOTT, M. A.,
Overbrook, Pa.

†REV. ANDREW JACKSON COULTAS, JR., D. D.,
103 Oak St., Fall River, Mass.

†REV. CHARLES OTIS JUDKINS, D. D.,
32 Bay St., Glens Falls, N. Y.

TERM EXPIRES OCTOBER 1, 1916.

CEPHAS BRAINERD ROGERS,
Meriden.

HON. JOHN EMORY ANDRUS, B. A.,
299 Broadway, New York, N. Y.

CHARLES GIBSON,
Albany, N. Y.

CLINTON DEWITT BURDICK, M. A.,
175 Remsen St., Brooklyn, N. Y.

REV. WILLIAM INGRAHAM HAVEN, D. D.,
Bible House, Astor Place, New York, N. Y.

HON. ARTHUR EUGENE SUTHERLAND, LL. D.,
Court House, Rochester, N. Y.

FRANK BENTLEY WEEKS, LL. D.,
Middletown.

§HON. GEORGE GREENWOOD REYNOLDS, LL. D.,
189 Montague St., Brooklyn, N. Y.

§GEORGE DAVIS BEATTYS, M. A.,
49 Wall St., New York, N. Y.

WESLEYAN UNIVERSITY.

7

† REV. ABRAHAM JOHN PALMER, D. D.,
Milton, N. Y.

† REV. EDMUND MEAD MILLS, PH. D., D. D.,
203 Sumner Ave., Syracuse, N. Y.

NOTE.—Trustees whose names are marked with a § were elected by the alumni; those whose names are marked with a † were elected by the patronizing conferences; all others were elected by the Board of Trustees.

The term of office is five years, the official year beginning on the first day of October following election.

COMMITTEES OF THE BOARD OF TRUSTEES.

EXECUTIVE COMMITTEE.THE PRESIDENT OF THE UNIVERSITY (*Ex officio*).

JOHN CHEESMAN CLARK, LL. B.

CHARLES LEE ROCKWELL.

WILLIAM EDWIN SESSIONS.

ALBERT RANDOLPH CRITTENDEN.

HON. WESLEY ULYSSES PEARNE, B. A.

WILLIAM HENRY BURROWS.

HON. PHINEAS CHAPMAN LOUNSBURY, LL. D.

REV. FRANK MASON NORTH, D. D.

JOHN GRIBBEL.

WILLIAM THAYER RICH.

CLINTON DEWITT BURDICK, M. A.

CHARLES SCOTT, M. A.

REV. CHARLES OTIS JUDKINS, D. D.

FINANCE COMMITTEE.

CHARLES LEE ROCKWELL.

WILLIAM HENRY BURROWS.

JAMES NOEL BROWN.

JOHN CHEESMAN CLARK, LL. B.

COMMITTEE ON THE BOARD OF INSTRUCTION.

REV. WILLIAM VALENTINE KELLEY, D. D., LL. D.

REV. ABRAHAM JOHN PALMER, D. D.

REV. WILLIAM INGRAHAM HAVEN, D. D.

STEPHEN HENRY OLIN, LL. D.

WILLIAM THAYER RICH.

CHARLES SCOTT, M. A.

VISITING COMMITTEE.

JOHN EDGAR LEAYCRAFT.

REV. ELWELL ALEXANDER BISHOP, D. D.

REV. DAVID HOWARD TRIBOU, D. D.

FACULTY.

WILLIAM ARNOLD SHANKLIN, L. H. D., LL. D.,
PRESIDENT.

UPON THE A. V. STOUT FOUNDATION.
(3 S. C.) 325 High St.

JOHN MONROE VAN VLECK, LL. D.,
FISK PROFESSOR OF MATHEMATICS AND ASTRONOMY, *Emeritus.*
168 Church St.

† WILLIAM NORTH RICE, PH. D., LL. D.,
G. I. SENEY PROFESSOR OF GEOLOGY.

CALEB THOMAS WINCHESTER, L. H. D.,
OLIN PROFESSOR OF ENGLISH LITERATURE.
(21 F. H.) 342 High St.

BRADFORD PAUL RAYMOND, D. D., LL. D.,
WAITE PROFESSOR OF ETHICS AND BIBLICAL LITERATURE, *Emeritus.*
170 High St.

MORRIS BARKER CRAWFORD, M. A.,
FOSS PROFESSOR OF PHYSICS.
(38 S. L.) 197 High St.

HERBERT WILLIAM CONN, PH. D.,
DANIEL AYRES PROFESSOR OF BIOLOGY.
(5 J. H.) 167 High St.

‡ ANDREW CAMPBELL ARMSTRONG, PH. D.,
WILLIAM GRIFFIN PROFESSOR OF PHILOSOPHY.
(26 F. H.) 166 High St.

WILLIAM EDWARD MEAD, PH. D.,
PROFESSOR OF THE ENGLISH LANGUAGE.
(27 F. H.) 165 Broad St.

† On leave of absence for the year.

‡ On leave of absence from January 1, 1912.

WESLEYAN UNIVERSITY.

11

KARL POMEROY HARRINGTON, M. A.,
ROBERT RICH PROFESSOR OF THE LATIN LANGUAGE AND LITERATURE.
(30 F. H.) 203 High St.

WILLIAM JOHN JAMES, M. A.,
LIBRARIAN.
(Library) 162 Church St.

FRANK WALTER NICOLSON, M. A.,
SECRETARY OF THE FACULTY, AND ASSOCIATE PROFESSOR OF LATIN.
(1 S. C.) 311 High St.

WALTER PARKE BRADLEY, PH. D.,
E. B. NYE PROFESSOR OF CHEMISTRY.
(2 J. H.) 256 College St.

OSCAR KUHNS, L. H. D.,
HOLLIS PROFESSOR OF ROMANCE LANGUAGES.
(38 F. H.) 158 High St.

WILLARD CLARK FISHER, B. A.,
PROFESSOR OF ECONOMICS AND SOCIAL SCIENCE.
(33 F. H.) 25 College Place.

WILLIAM ARTHUR HEIDEL, PH. D.,
JANE A. SENEY PROFESSOR OF THE GREEK LANGUAGE AND LITERATURE.
(35 F. H.) 41 Lawn Ave.

RAYMOND DODGE, PH. D.,
J. W. BEACH PROFESSOR OF PSYCHOLOGY.
(22 F. H.) 107 Lawn Ave.

WALTER GUYTON CADY, PH. D.,
CHARLOTTE AUGUSTA AYRES PROFESSOR OF PHYSICS.
(14 S. L.) 77 High St.

ROBERT HERNDON FIFE, JR., PH. D.,
MARCUS L. TAFT PROFESSOR OF THE GERMAN LANGUAGE AND LITERATURE.
(34 F. H.) 240 College St.

GEORGE MATTHEW DUTCHER, PH. D.,
HEDDING PROFESSOR OF HISTORY.
(16 F. H.) 77 Home Ave.

JOSEPH WILLIAM HEWITT, PH. D.,
ASSOCIATE PROFESSOR OF LATIN AND GREEK.
310 William St

WESLEYAN UNIVERSITY.

EDGAR FAUVER, M. D.,

ASSOCIATE PROFESSOR OF PHYSICAL EDUCATION.

(Gymnasium) 31 College Place.

LEROY ALBERT HOWLAND, PH. D.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

51 Wyllys St.

BURTON HOWARD CAMP, PH. D.,

ASSOCIATE PROFESSOR OF MATHEMATICS.

41 Brainerd Ave.

DAVID DAY WHITNEY, PH. D.,

ASSOCIATE PROFESSOR OF ZOOLOGY, AND ACTING CURATOR OF THE
MUSEUM.*12 S. C.*

JOHN WESLEY WETZEL, PH. B.,

INSTRUCTOR IN PUBLIC SPEAKING.

16 Dwight St., New Haven.

JOHN HAMILTON BLAIR, PH. D.,

INSTRUCTOR IN HISTORY AND ECONOMICS.

9 E. H.

RAEMER REX RENSHAW, PH. D.,

INSTRUCTOR IN CHEMISTRY.

(1 J. H.) 156 High St.

LOUIS BLISS GILLET, B. A.,

INSTRUCTOR IN ENGLISH.

13 S. C.

PAUL CURTS, PH. D.,

INSTRUCTOR IN GERMAN.

10 E. H.

FRED HARVEY HEATH, PH. D.,

INSTRUCTOR IN CHEMISTRY.

9 Brainerd Ave.

ALBERT MANN, JR., M. A.,

INSTRUCTOR IN ROMANCE LANGUAGES.

188 Church St.

GEORGE WILEY SHERBURN, M. A.,

INSTRUCTOR IN ENGLISH.

6 South College.

WESLEYAN UNIVERSITY.

13

JOHN KENYON LAMOND, PH. D.,
INSTRUCTOR IN MATHEMATICS.
5 Stowe Ave.

WALTER RANSOM BARROWS, B. A.,
INSTRUCTOR IN PHYSICAL GEOGRAPHY.
698 Yale Station, New Haven.

EDITH LEONA EASTMAN, B. A.,
ASSISTANT LIBRARIAN.
178 Church St.

HAROLD PUTNAM FROST, B. A.,
ASSISTANT IN PHYSICS.
14 E. H.

RALPH MAYNARD HOLMES, B. A.,
ASSISTANT IN PHYSICS.
150 College St.

ROBERT REED STEVENS, B. S.,
ASSISTANT IN CHEMISTRY.
11 E. H.

COMMITTEES OF THE FACULTY.

COURSE OF STUDY.

THE PRESIDENT, PROFESSORS WINCHESTER,
CONN, HARRINGTON, BRADLEY, KUHN, HOWLAND.

GRADUATE STUDY.

PROFESSORS CRAWFORD, HEIDEL, HOWLAND.

ADMINISTRATION.

THE PRESIDENT, PROFESSOR WINCHESTER, MR. JAMES,
PROFESSORS NICOLSON, FISHER.

CONFERENCE WITH STUDENTS.

THE PRESIDENT, PROFESSORS BRADLEY, KUHN,
DODGE, FIFE.

CATALOGUE.

PROFESSOR NICOLSON.

BULLETIN.

PROFESSOR HEWITT, Editor; PROFESSORS WINCHESTER,
DUTCHER, DR. RENSHAW, PROFESSOR WHITNEY.

ATHLETIC AND MUSICAL ORGANIZATIONS.

PROFESSORS NICOLSON, FIFE, FAVER.

PUBLIC LITERARY EXERCISES.

PROFESSORS WINCHESTER, MEAD, FISHER, DUTCHER,
MR. WETZEL.

SPECIAL HONORS.

PROFESSORS HARRINGTON, HEIDEL, DODGE, CAMP.

LOANS; EVANS AND LOVELAND SCHOLARSHIPS.

THE PRESIDENT, MR. JAMES, PROFESSOR NICOLSON.

STUDENTS.

GRADUATE STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Harold Putnam Frost, B. A., PHYSICS, MATHEMATICS.	<i>Waterville, Me.</i>	14 E. H.
Edwin Humphrey Hazen, B. A., (Dartmouth College), LATIN, ENGLISH LANGUAGE, ENGLISH LITERATURE.	<i>Middletown.</i>	276 College St.
Ralph Maynard Holmes, B. A., (University of Maine), PHYSICS.	<i>Ellsworth, Me.</i>	150 College St.
Robert Coolidge Masterton, B. A., (Columbia University), HISTORY, ENGLISH LANGUAGE.	<i>New York, N. Y.</i>	<i>Berkeley Divinity School.</i>
Jacob Henry Oehlhoff, B. A., (St. Stephen's College), ENGLISH LITERATURE.	<i>New Providence, N. J.</i>	<i>Berkeley Divinity School.</i>
Arthur Elliott Paterson, Ph. B., MATHEMATICS.	<i>Middletown.</i>	158 Broad St.
Charles Morton Sherburne, B. A., ENGLISH LITERATURE, HISTORY, PHILOSOPHY.	<i>Montpelier, Vt.</i>	Y. Y. House.
George Wiley Sherburn, M. A., ENGLISH LITERATURE, ROMANCE LANGUAGES, ENGLISH LANGUAGE.	<i>Montpelier, Vt.</i>	6 S. C.
Robert Reed Stevens, B. S., (Worcester Polytechnic Institute), CHEMISTRY.	<i>East Canaan.</i>	11 E. H.
Ruth Burr Bonfoey, Ph. B., CHEMISTRY.	<i>Middletown.</i>	185 Court St.
Ruth Almira Swan, B. A., LATIN, GREEK, ENGLISH LITERATURE, ENGLISH LANGUAGE.	<i>Middletown.</i>	233 Pearl St.

SENIORS.—CLASS OF 1912.

NAMES.	RESIDENCES.	ROOMS.
Morse Shepard Allen,	<i>Brooklyn, N. Y.</i>	<i>Eclectic House.</i>
Harold Graham Anderson,	<i>Mt. Vernon, N. Y.</i>	<i>Y. Y. House.</i>
Herbert Soley Bain,	<i>Rexford Flats, N. Y.</i>	<i>Commons Club.</i>
Harry William Bell,	<i>Glen Head, N. Y.</i>	<i>Eclectic House.</i>
Patrick Edward Bransfield,	<i>Portland.</i>	<i>Portland.</i>
† George Treat Bristol,	<i>Brooklyn, N. Y.</i>	<i>A. Δ. Φ. House.</i>
George Landon Buck,	<i>Brockton, Mass.</i>	<i>Δ. K. E. House.</i>
Fred Waters Burnham,	<i>Erie, Pa.</i>	<i>A. Δ. Φ. House.</i>
† Frank Anson Churchill,	<i>Middletown.</i>	<i>26 Wall St.</i>
Carl Scott Coit,	<i>Lawrence, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† Heth Griffin Coons,	<i>Stamford, N. Y.</i>	<i>B. Θ. Π. House.</i>
† Ralph Lockwood Crandell,	<i>Freeport, N. Y.</i>	<i>Δ. K. E. House.</i>
† Stanley Benjamin Crowther,	<i>Springfield, Mass.</i>	<i>B. Θ. Π. House.</i>
Raymond Haskins Drake,	<i>Tilton, N. H.</i>	<i>A. X. P. House.</i>
Richard William Eaton,	<i>Westfield, Mass.</i>	<i>Δ. K. E. House.</i>
Edward Grove Fletcher,	<i>Providence, R. I.</i>	<i>Δ. T. Δ. House.</i>
Louis Carter Flocken,	<i>Willimantic.</i>	<i>A. X. P. House.</i>
Robert Hinckley Flocken,	<i>Willimantic.</i>	<i>A. X. P. House.</i>
† Benjamin William Grant,	<i>Beverly, Mass.</i>	<i>Δ. T. Δ. House.</i>
† Charles Emerson Grim,	<i>Brooklyn, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† Frank Mapes Ham,	<i>Westfield, N. J.</i>	<i>B. Θ. Π. House.</i>
John Baker Hanna,	<i>Cambridge, N. Y.</i>	<i>Δ. T. Δ. House.</i>
† Carl Clifford Harvey,	<i>Lower Cabot, Vt.</i>	<i>Commons Club.</i>
Anton Frederick Haus,	<i>Elizabeth, N. J.</i>	<i>B. Θ. Π. House.</i>
† Harold Morton Hine,	<i>New Haven.</i>	<i>Y. Y. House.</i>
† Raymond Frederick Hubbard,	<i>Middletown.</i>	<i>R. F. D. No. 1.</i>
Henry Strobel Jacobs,	<i>Altoona, Pa.</i>	<i>A. Δ. Φ. House.</i>
Edgar Allan Jones,	<i>Wilkes-Barre, Pa.</i>	<i>Y. Y. House.</i>
Griffith Lloyd Jones,	<i>Utica, N. Y.</i>	<i>Y. Y. House.</i>
* Hubert Darrell Jones,	<i>West Orange, N. J.</i>	
Richard Pratt Jones,	<i>South Windsor.</i>	<i>Δ. K. E. House.</i>

* On leave of absence.

NAMES.	RESIDENCES.	ROOMS.
Henry Virginius Leonard,	<i>New York, N. Y.</i>	<i>A. Δ. Φ. House.</i>
† Harry Fletcher Lewis,	<i>Pottsville, Pa.</i>	<i>Commons Club.</i>
Lester Hobart Libby,	<i>Gorham, Me.</i>	<i>Commons Club.</i>
John Rhodes Lindemuth,	<i>York, Pa.</i>	<i>Δ. T. Δ. House.</i>
Thomas Ayres MacClenthen,	<i>Watertown, N. Y.</i>	<i>Ψ. Υ. House.</i>
Edward Ball Miller,	<i>Madison, N. J.</i>	<i>Δ. T. Δ. House.</i>
William Wesley Miller,	<i>Ransom, Pa.</i>	<i>B. Θ. Π. House.</i>
† Carl Howard Mitchell,	<i>Portland, Me.</i>	<i>Δ. T. Δ. House.</i>
† Raymond Lee Moore,	<i>S. Brownsville, Pa.</i>	<i>Eclectic House.</i>
† Donald Ellsworth Parker,	<i>Wallingford.</i>	<i>B. Θ. Π. House.</i>
† Jack Cutter Parker,	<i>Danvers, Mass.</i>	<i>B. Θ. Π. House.</i>
† Edward Henry Perkins,	<i>Tilton, N. H.</i>	<i>Commons Club.</i>
*† Harold Van Houten Proskey,	<i>Paterson, N. J.</i>	
† William Wesley Reynolds,	<i>Brookline, Mass.</i>	<i>Eclectic House.</i>
† John Levi Rice,	<i>New Haven.</i>	<i>X. Ψ. Lodge.</i>
† Andrew Raymond Robertson,	<i>Springfield, Mass.</i>	<i>Δ. T. Δ. House.</i>
Lawrence Elwood Rothrock,	<i>Ackermanville, Pa.</i>	<i>Eclectic House.</i>
Richard Sutton Rust,	<i>Cincinnati, O.</i>	<i>Ψ. Υ. House.</i>
William Warder Shepherd,	<i>Oakwood, Ky.</i>	<i>A. X. P. House.</i>
Herbert Lincoln Simms,	<i>Gorham, Me.</i>	<i>Δ. K. E. House.</i>
Louis Sylvester Staples,	<i>Gardiner, Me.</i>	<i>Commons Club.</i>
Robert Victor Story,	<i>Taunton, Mass.</i>	<i>A. X. P. House.</i>
Irving Gates Streightoff,	<i>Brooklyn, N. Y.</i>	<i>Commons Club.</i>
† Clarence Allen Strout,	<i>Millbridge, Me.</i>	<i>A. X. P. House.</i>
† Fred Wilbur Tanner,	<i>Warsaw, N. Y.</i>	<i>A. X. P. House.</i>
Maurice Eugene Thrasher,	<i>Newton Lower Falls, Mass.</i>	<i>Δ. K. E. House.</i>
Arthur Harder Van Voris,	<i>Cobleskill, N. Y.</i>	<i>X. Ψ. Lodge.</i>
Edgar Watters Wallis,	<i>Ashley, Pa.</i>	<i>B. Θ. Π. House.</i>
Harold Clark Wilson,	<i>Freeport, N. Y.</i>	<i>B. Θ. Π. House.</i>
*William Miller Winans, Jr.,	<i>Brooklyn, N. Y.</i>	
Faith Bonfoey,	<i>Middletown.</i>	<i>187 Court St.</i>
Hester Wilson Reynolds,	<i>Middletown.</i>	<i>158 South Main St.</i>
Amy Sheldon,	<i>Middletown.</i>	<i>34 Fountain Ave.</i>
Helen Chandler Willis,	<i>Middletown.</i>	<i>360 Washington St.</i>

* On leave of absence.

JUNIORS.—CLASS OF 1913.

NAMES.	RESIDENCES.	ROOMS.
† Clarence Everett Bacon,	<i>Middletown.</i>	†. Y. House.
† Clarence Alvin Bengtson,	<i>Middletown.</i>	472 High St.
Earl Henry Bennett,	<i>Binghamton, N. Y.</i>	B. Θ. II. House.
† Miller Robert Adolph Bernhard,	<i>Rochester, N. Y.</i>	<i>Eclectic House.</i>
† Harold Blauvelt,	<i>New York, N. Y.</i>	B. Θ. II. House.
† Paul Brady,	<i>Boston, Mass.</i>	B. Θ. II. House.
Abram Breneman Bruner,	<i>Columbia, Pa.</i>	A. Δ. Φ. House.
Henry Mullison Bruner,	<i>Columbia, Pa.</i>	A. Δ. Φ. House.
† Alwyn Jeremiah Buell,	<i>Madison.</i>	Δ. T. Δ. House.
Paul Burt,	<i>New York, N. Y.</i>	Δ. K. E. House.
Walter Thomas Carnall,	<i>Colorado Springs, Col.</i>	Δ. T. Δ. House.
Albert Merwin Clark,	<i>Mt. Vernon, N. Y.</i>	Δ. K. E. House.
Eugene Shepard Clark,	<i>Fisher's Island, N. Y.</i>	Δ. K. E. House.
G. Ronald Clark,	<i>Scranton, Pa.</i>	B. Θ. II. House.
Densley Payne Clary,	<i>Westfield, Mass.</i>	A. X. P. House.
Harold Payson Cobb,	<i>Searsmont, Me.</i>	<i>Commons Club.</i>
Henry Hitt Crane,	<i>Middletown.</i>	157 High St.
† George Grevatt Davidson,	<i>New York, N. Y.</i>	Δ. K. E. House.
William Francis Davis, Jr.,	<i>New Bedford, Mass.</i>	A. X. P. House.
Alan Lee Dodd,	<i>Shelton.</i>	<i>Commons Club.</i>
Duncan Flynn Dodd,	<i>Shelton.</i>	B. Θ. II. House.
† Edgar Vincent Durling,	<i>Brooklyn, N. Y.</i>	†. Y. House.
† Harold De Yoe Dyke,	<i>Syracuse, N. Y.</i>	A. Δ. Φ. House.
† John Goldsborough Easton,	<i>Mt. Vernon, N. Y.</i>	X. †. Lodge.
John Adams Eldridge,	<i>Washington, D. C.</i>	<i>Commons Club.</i>
Harold Underwood Faulkner,	<i>Madison, N. J.</i>	Δ. T. Δ. House.
Haynes Harold Fellows,	<i>Troy, N. Y.</i>	Δ. K. E. House.
Harry Clinton France,	<i>Seward, N. Y.</i>	B. Θ. II. House.
Erlund Kenneth French,	<i>Dorchester, Mass.</i>	A. X. P. House.
† Raymond Silas Gibbs,	<i>Belvidere, N. J.</i>	†. Y. House.
Waldo Pierpont Gillies,	<i>East Norwalk.</i>	†. Y. House.
Harold Abrams Gilman,	<i>Hartford.</i>	79 N. C.
Russell Lowell Gould,	<i>Bayonne, N. J.</i>	X. †. Lodge.

NAMES.	RESIDENCES.	ROOMS.
Arthur Stanley Hancock,	<i>New Britain.</i>	Δ . T. Δ . House.
† Wesley Wallace Hanford,	<i>Middletown.</i>	317 William St.
† Alfred Perego Harris,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
George Lansing Harvey,	<i>Washington, D. C.</i>	Ψ . Y. House.
† Edward Payson Hayward,	<i>Middletown.</i>	288 College St.
George William Henry,	<i>Oswego, N. Y.</i>	17 E. H.
Carl Kempton Hill,	<i>Morristown, Tenn.</i>	<i>Eclectic House.</i>
William Greene Howells,	<i>Upper Montclair, N. J.</i>	X. Ψ . Lodge.
Edwin Earle Hoyt,	<i>Ridgefield.</i>	Δ . K. E. House.
Frank Charles Huntington,	<i>Oneonta, N. Y.</i>	46 N. C.
Walter Thomas James,	<i>Middletown.</i>	Ψ . Y. House.
† Arthur Ernest Jones,	<i>Gossville, N. H.</i>	A. Δ . Φ . House.
Edward Henry Jones, Jr.,	<i>Newark, N. J.</i>	Δ . K. E. House.
† Raymond Starr Kidder,	<i>Brooklyn, N. Y.</i>	<i>Eclectic House.</i>
Harold Lester Knapp,	<i>Greenwich.</i>	Δ . T. Δ . House.
Robert Irving Laggren,	<i>Elizabeth, N. J.</i>	Ψ . Y. House.
Howard Seavoy Leach,	<i>Penobscot, Me.</i>	<i>Commons Club.</i>
† William Payne Lewis,	<i>Block Island, R. I.</i>	Δ . K. E. House.
† Benjamin Luntz,	<i>East Hampton.</i>	<i>Commons Club.</i>
William Dudley McLarren,	<i>Osceola Mills, Pa.</i>	A. Δ . Φ . House.
† David Wallace MacMullen,	<i>New York, N. Y.</i>	B. Θ . II. House.
† Harold Bruce MacMullen,	<i>New York, N. Y.</i>	B. Θ . II. House.
Cyrus Wesley Marshall,	<i>Baltimore, Md.</i>	20 E. H.
† John Paul Maynard,	<i>New Haven.</i>	<i>Eclectic House.</i>
† James Alexander Morton,	<i>New Haven.</i>	78 Home Ave.
John Desmond Murphy,	<i>Norwich.</i>	A. Δ . Φ . House.
Samuel Wilson Murphy,	<i>Brooklyn, N. Y.</i>	Δ . K. E. House.
Frederick Buckley Newell,	<i>Hartford.</i>	B. Θ . II. House.
† Ruthvan Beebe Nichols,	<i>Jacksonville, Ill.</i>	Δ . T. Δ . House.
Martin O. Olsen,	<i>Brooklyn, N. Y.</i>	65 Pine St.
† James Harold Parkinson,	<i>Jersey City, N. J.</i>	<i>Eclectic House.</i>
Thorold Ward Pell,	<i>Newark, N. J.</i>	46 N. C.
† Carl Clough Persons,	<i>Maynard, Mass.</i>	Δ . K. E. House.
† Winfred King Petigrue,	<i>Oswego, N. Y.</i>	Ψ . Y. House.
† Lewis Buchanan Piper,	<i>Nyack, N. Y.</i>	<i>Commons Club.</i>
† Raymond Thornton Potter,	<i>Ellenville, N. Y.</i>	Δ . T. Δ . House.
Lloyd Preston Rice,	<i>Granby.</i>	Δ . T. Δ . House.
Joseph William Rowe,	<i>Portland, Me.</i>	Δ . T. Δ . House.

NAMES.	RESIDENCES.	ROOMS.
† Richard Malcolm Sills,	<i>New York, N. Y.</i>	<i>X. ♀. Lodge.</i>
Veo Fuller Small,	<i>Farmington, Me.</i>	<i>Eclectic House.</i>
† Clarence Bruce Smith, Jr.,	<i>Brooklyn, N. Y.</i>	<i>Δ. T. Δ. House.</i>
† Arthur Thompson Spencer,	<i>North Haven.</i>	<i>Δ. K. E. House.</i>
† James Esmond Stiles,	<i>Freeport, N. Y.</i>	<i>Δ. K. E. House.</i>
† Harvey Allen Strong,	<i>Laurens, N. Y.</i>	<i>B. Θ. Π. House.</i>
Spencer Allen Studwell,	<i>Greenwich.</i>	<i>Δ. T. Δ. House.</i>
George Greely Summerson,	<i>Coventry, N. Y.</i>	<i>B. Θ. Π. House.</i>
Robert Stockdale Telfer,	<i>Bloomington, Ind.</i>	<i>X. ♀. Lodge.</i>
Robert Leonard Tucker,	<i>Westfield, Mass.</i>	<i>163 Cross St.</i>
Robert Foster Valentine,	<i>Brooklyn, N. Y.</i>	<i>Eclectic House.</i>
† Edward Couch Vollmer,	<i>Brooklyn, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Lowell Walcutt,	<i>Montclair, N. J.</i>	<i>B. Θ. Π. House.</i>
† Ralph Foster Weld,	<i>Round Lake, N. Y.</i>	<i>A. X. P. House.</i>
† James Isaac Wendell,	<i>Lake Hopatcong, N. J.</i>	<i>Δ. T. Δ. House.</i>
Harold Ewing Witman,	<i>Berwick, Pa.</i>	<i>Δ. K. E. House.</i>
Thomas Adamson Wood,	<i>Bertha, O.</i>	<i>A. X. P. House.</i>
William Colcord Woods,	<i>Orono, Me.</i>	<i>X. ♀. Lodge.</i>
† Herbert Brown Wright,	<i>New York, N. Y.</i>	<i>Δ. K. E. House.</i>

SOPHOMORES.—CLASS OF 1914.

NAMES.	RESIDENCES.	ROOMS.
† Clinton David Abraham,	<i>Damascus, Pa.</i>	19 O. H.
Alonzo Clark Allen,	<i>Gibbstown, N. J.</i>	<i>Commons Club.</i>
Vincent Blake Allison,	<i>Boston, Mass.</i>	<i>182 Washington St.</i>
John Henry Amy,	<i>East Bangor, Pa.</i>	<i>Commons Club.</i>
† Mark Andrews,	<i>Birmingham, Ala.</i>	43 N. C.
Albert Edward Beebe,	<i>Brooklyn, N. Y.</i>	65 <i>Pine St.</i>
Noel Edgar Bensinger,	<i>Auburn, N. Y.</i>	<i>Eclectic House.</i>
Edward Wayt Bishop,	<i>Thomasville, N. C.</i>	†. Y. House.
† Ralph Chesney Bishop,	<i>Glyndon, Md.</i>	A. Δ. Φ. House.
John Earle Blossom,	<i>Hawley, Pa.</i>	B. Θ. Π. House.
† George Theron Blydenburgh,	<i>Richmond Hill, N. Y.</i>	<i>Commons Club.</i>
Raymond Tostevin Bond,	<i>Richmond Hill, N. Y.</i>	<i>109 Broad St.</i>
† Ralph Ira Booth,	<i>Ellenville, N. Y.</i>	Δ. T. Δ. House.
† George Swart Borst,	<i>Oneonta, N. Y.</i>	X. †. Lodge.
Robert Coleman Brown,	<i>Elmira, N. Y.</i>	26 N. C.
Wallace John Brymner,	<i>Springfield, Mass.</i>	25 N. C.
William Warren Carman, Jr.,	<i>Summit, N. J.</i>	B. Θ. Π. House.
† Frank Bonyman Cawley,	<i>Peabody, Mass.</i>	†. Y. House.
William George Chanter,	<i>Detroit, Mich.</i>	98 N. C.
† Ernest Putnam Clark,	<i>Auburndale, Mass.</i>	<i>Eclectic House.</i>
Silas Skidmore Clark,	<i>Mt. Vernon, N. Y.</i>	67 N. C.
† Homer Garton Collins,	<i>Meyersdale, Pa.</i>	X. †. Lodge.
Walter Erskine Cooley,	<i>Springfield, Mass.</i>	32 N. C.
† William Bethel Cornish,	<i>Paterson, N. J.</i>	16 O. H.
Howard Reid Craig,	<i>New York, N. Y.</i>	X. †. Lodge.
† Raymond Francis Delahant,	<i>Albany, N. Y.</i>	71 N. C.
William Munroe Dox,	<i>Richmondville, N. Y.</i>	33 N. C.
Ralph Olin Dulany,	<i>Fruiland, Md.</i>	A. X. P. House.
† Edwin Markwick Eustis,	<i>New York, N. Y.</i>	A. Δ. Φ. House.
Victor Fellini,	<i>Celano, Italy.</i>	7 S. C.
John Edwin Fisher,	<i>Sunapee, N. H.</i>	A. X. P. House.
Joseph Aloysius Francis,	<i>Dobbs Ferry, N. Y.</i>	<i>Eclectic House.</i>
† George Frederick Freifeld,	<i>New York, N. Y.</i>	<i>Commons Club.</i>
Joshua Collett Frost,	<i>Waterville, Me.</i>	62 N. C.
† Warren Clark Fuller,	<i>Newton, Mass.</i>	†. Y. House.
† Russell Irving Garton,	<i>Arlington, N. J.</i>	A. Δ. Φ. House.

NAMES.	RESIDENCES.	ROOMS.
Randolph Foster Glenn,	<i>Philipsburg, Pa.</i>	<i>Δ. K. E. House.</i>
† Thomas Milburn Gopsill,	<i>Jersey City, N. J.</i>	<i>A. Δ. Φ. House.</i>
Frank Thorpe Gorman,	<i>Montclair, N. J.</i>	<i>X. Ψ. Lodge.</i>
Raymond Avery Hall,	<i>Auburn, N. Y.</i>	<i>Eclectic House.</i>
† Hawthorne Parker Halvorson,	<i>Saugus, Mass.</i>	<i>Ψ. Υ. House.</i>
† Harry Eugene Harris,	<i>El Paso, Tex.</i>	<i>Δ. K. E. House.</i>
† William Jarvis Harris,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
† James Blood Hasselman,	<i>Indianapolis, Ind.</i>	<i>Ψ. Υ. House.</i>
George Washington Hauck,	<i>Mechanicsburg, Pa.</i>	30 N. C.
Ira Vaughan Hiscock,	<i>North Chesterville, Me.</i>	<i>Commons Club.</i>
Robert Porter Holden,	<i>Clearfield, Pa.</i>	76 N. C.
John Robert Holmes,	<i>Batavia, N. Y.</i>	<i>Eclectic House.</i>
† Albert Gould Hopkins,	<i>Pasadena, Cal.</i>	14 N. C.
Arthur Elisha Hoyt,	<i>Dexter, Me.</i>	<i>Commons Club.</i>
Harold Laurence Irving,	<i>Westfield, N. J.</i>	<i>A. Δ. Φ. House.</i>
† Ira Davis Joel,	<i>Fitchburg, Mass.</i>	<i>167 High St.</i>
Brewster Hawkins Jones,	<i>Belleville, N. J.</i>	18 B. H.
John Sibbitts Keir,	<i>Seymour.</i>	<i>X. Ψ. Lodge.</i>
† James Stephen Kellom,	<i>Winchester, N. H.</i>	<i>A. X. P. House.</i>
Roland Kilbon,	<i>Springfield, Mass.</i>	<i>Δ. T. Δ. House.</i>
Frank Norris Knapp,	<i>East Livermore, Me.</i>	<i>14 Pleasant St.</i>
Walter William Kohler,	<i>Rendham, Pa.</i>	<i>A. X. P. House.</i>
Henry Rudolph Konrad,	<i>Seymour.</i>	20 O. H.
† Edison Stephen Lake,	<i>While Creek, N. Y.</i>	<i>171 Mt. Vernon St.</i>
Esdras Howell Lowry,	<i>Scranton, Pa.</i>	<i>Commons Club.</i>
Ira Raymond Lutz,	<i>Reading, Pa.</i>	<i>Commons Club.</i>
† Robert Emmett McCarthy,	<i>Washington, D. C.</i>	<i>Ψ. Υ. House.</i>
Howard Spencer MacKirdy,	<i>New Britain.</i>	7 S. C.
† Paul Preston Martin,	<i>West Quincy, Mass.</i>	36 N. C.
Manuel Matienzo,	<i>Ponce, Porto Rico.</i>	<i>X. Ψ. Lodge.</i>
Lynn Smith Miller,	<i>Oneonta, N. Y.</i>	33 N. C.
† Teja Schmauss Mittell,	<i>New York, N. Y.</i>	<i>X. Ψ. Lodge.</i>
George Lankton Moore,	<i>Youngstown, O.</i>	<i>X. Ψ. Lodge.</i>
† Lawrence Beatty Morse,	<i>Boonton, N. J.</i>	<i>A. Δ. Φ. House.</i>
† Herndon Tudor Morsell,	<i>Washington, D. C.</i>	<i>A. Δ. Φ. House.</i>
† Leroy Beaumont Noble,	<i>Haddam.</i>	<i>Commons Club.</i>
Arthur Fiske Potter,	<i>Portland.</i>	<i>Commons Club.</i>
† Herbert Langdon Pratt,	<i>Newton Center, Mass.</i>	54 N. C.

NAMES.	RESIDENCES.	ROOMS.
Minard Le Grand Proper,	<i>Middletown.</i>	<i>24 Jackson St.</i>
Albert Sears Pruden,	<i>Middletown.</i>	<i>X. Y. Lodge.</i>
† Edward Ritsher Rau,	<i>Beloit, Wis.</i>	<i>14 O. H.</i>
Allen Simmons Raymond,	<i>Newton Center, Mass.</i>	<i>Y. Y. House.</i>
John Reeder Reeves,	<i>New Brunswick, N. J.</i>	<i>240 High St.</i>
† Harold Blake Robertson,	<i>Summit, N. J.</i>	<i>B. O. H. House.</i>
Wilfred Slater Robinson,	<i>Springfield, Mass.</i>	<i>X. Y. Lodge.</i>
George Miles Rogers,	<i>West Springfield, Mass.</i>	<i>A. X. P. House.</i>
Richard Alfred Rossiter,	<i>Oswego, N. Y.</i>	<i>17 E. H.</i>
† John Irving Rowell,	<i>Sunapee, N. H.</i>	<i>A. A. Φ. House.</i>
† Charles Nathan Rudkin,	<i>Middletown.</i>	<i>171 Mt. Vernon St.</i>
Kendall Ainsworth Sanderson,	<i>Lynn, Mass.</i>	<i>44 N. C.</i>
Eugene Wesley Scarborough,	<i>Madison, N. J.</i>	<i>Δ. T. Δ. House.</i>
Peter Adam Schneider,	<i>Scranton, Pa.</i>	<i>X. Y. Lodge.</i>
Ralph Gordon Sickels,	<i>Indianapolis, Ind.</i>	<i>Y. Y. House.</i>
† Rodman Moulton Steeb,	<i>Sparkill, N. Y.</i>	<i>Δ. T. Δ. House.</i>
Floyd Alonzo Stevens,	<i>Ridgewood, N. J.</i>	<i>18 O. H.</i>
† Horace Bickford Stevens, Jr.,	<i>El Paso, Tex.</i>	<i>Δ. K. E. House.</i>
† Charles Adolphus Stine, Jr.,	<i>Albany, N. Y.</i>	<i>Δ. K. E. House.</i>
† Stewart Niven Storms,	<i>Dobbs Ferry, N. Y.</i>	<i>A. X. P. House.</i>
Hugh Clark Stuntz,	<i>Madison, N. J.</i>	<i>Δ. T. Δ. House.</i>
Francis Albert Sturges,	<i>Waterport, N. Y.</i>	<i>85 N. C.</i>
Paul Randolph Sutherland,	<i>Brooklyn, N. Y.</i>	<i>39 N. C.</i>
† William Harry Sutton,	<i>Paterson, N. J.</i>	<i>16 O. H.</i>
† Norman Thirkield,	<i>Washington, D. C.</i>	<i>Eclectic House.</i>
† Frederick William Trevithick,	<i>Middletown.</i>	<i>243 College St.</i>
† Henry Hyde True,	<i>Washington, D. C.</i>	<i>Δ. K. E. House.</i>
† Homer Whitney Van Benschoten,	<i>West-Park-on-Hudson, N. Y.</i>	<i>A. Δ. Φ. House.</i>
Harald Ernest Weinstein,	<i>Brooklyn, N. Y.</i>	<i>Y. Y. House.</i>
† Benning Lewis Wentworth,	<i>Melrose, Mass.</i>	<i>B. O. H. House.</i>
† Allen Dodge Wheeler, Jr.,	<i>Newton Center, Mass.</i>	<i>A. Δ. Φ. House.</i>
† Edmund Alden Whiting,	<i>Montclair, N. J.</i>	<i>Eclectic House.</i>
† Ransom Ernest Wilcox,	<i>New York, N. Y.</i>	<i>X. Y. Lodge.</i>
Melville Soule Wilding,	<i>Newark, N. J.</i>	<i>Y. Y. House.</i>
Harold Purcell Winchester,	<i>Albany, N. Y.</i>	<i>71 N. C.</i>
† Hiram Walter Young,	<i>York, Pa.</i>	<i>Δ. T. Δ. House.</i>
Paul Mortimer Young,	<i>Sayre, Pa.</i>	<i>103 Lincoln St.</i>

FRESHMEN.—CLASS OF 1915.

NAMES.	RESIDENCES.	ROOMS.
Frederick Raymond Alleman,	<i>Summit, N. J.</i>	8 N. C.
† Tracy Bell Ambler,	<i>Rowayton.</i>	12 O. H.
† Edward Vincent Atwood,	<i>Niagara Falls, N. Y.</i>	80 N. C.
Frank Lawrence Beattys,	<i>Westfield, N. J.</i>	101 N. C.
Howard Warren Benedict,	<i>South Norwalk.</i>	65 Pine St.
Amos Dickers Bridge,	<i>Hazardville.</i>	74 N. C.
Charles Daniel Brodhead,	<i>Philadelphia, Pa.</i>	1 N. C.
John Lee Brooks,	<i>Middlebury.</i>	92 N. C.
† James Spencer Brown, Jr.,	<i>Montclair, N. J.</i>	109 Lawn Ave.
† Read Hess Brown,	<i>Binghamton, N. Y.</i>	12 N. C.
Harold Arthur Burrell,	<i>Brooklyn, N. Y.</i>	73 N. C.
† Arthur Thomas Campbell,	<i>Middletown.</i>	148 Washington St.
Homer Franklin Carey,	<i>Southington.</i>	43 E. H.
Lewis James Carey,	<i>Southington.</i>	43 E. H.
† Otto Carpenter,	<i>Upper Troy, N. Y.</i>	86 N. C.
† Fred Longhenry Carver,	<i>Spokane, Wash.</i>	3 N. C.
George Kellas Cashman,	<i>Waterbury.</i>	301 College St.
Robert Valden Cassidy,	<i>Greenfield, Mass.</i>	6 N. C.
Rudolph Wilson Chamberlain,	<i>Auburn, N. Y.</i>	35 N. C.
Ralph Nelson Clark,	<i>Springfield, Mass.</i>	32 N. C.
† Ethelbert Maltby Claypool,	<i>Hannibal, Mo.</i>	16 N. C.
Raymond Dow Comstock,	<i>Montclair, N. J.</i>	X. ♀. Lodge.
† Thomas Alfred Courchesne,	<i>El Paso, Tex.</i>	65 N. C.
Arthur Randall Davis,	<i>Fairfield, Me.</i>	20 O. H.
James Holmes Defandorf,	<i>Garrett Park, Md.</i>	29 N. C.
† Norman Henry Dexter,	<i>Randolph, N. Y.</i>	103 Lincoln St.
Glenn K. Diamond,	<i>Cherry Valley, N. Y.</i>	B. Θ. II. House.
† Albert Knowles Dickinson,	<i>Ivoryton. Berkeley Divinity School.</i>	
† Robert Pierson Dodds,	<i>Port Chester, N. Y.</i>	16 E. H.
Philip Doremus,	<i>Montclair, N. J.</i>	83 N. C.
Arthur Clark Eaton,	<i>Westfield, Mass.</i>	94 N. C.
Albert Ott Egge,	<i>New City, N. Y.</i>	301 College St.
Francis Duffy Ellis, Jr.,	<i>Ardmore, Pa.</i>	59 N. C.
† Carlton See Embree,	<i>Stamford.</i>	13 O. H.
† Waldo Beattie Farnum,	<i>New York, N. Y.</i>	27 N. C.

NAMES.	RESIDENCES.	ROOMS.
† Daniel Ostrander Ferris,	<i>Wakefield, Mass.</i>	<i>13 Cross St.</i>
Joseph William Fosa,	<i>Middletown.</i>	<i>29 Fagan Ave.</i>
Elon Foster,	<i>New York, N. Y.</i>	54 N. C.
Charles Leroy Fulmer,	<i>Philadelphia, Pa.</i>	1 N. C.
Michael Gerome,	<i>Newark, N. J.</i>	1 O. H.
Edward Carleton Gibbons,	<i>Salisbury, Mass.</i>	6 O. H.
† Edward Darwin Graber, Jr.,	<i>Greenwich.</i>	83 N. C.
† William Gammon Greenman,	<i>Naples, Italy.</i>	21 N. C.
Charles Hainfeld,	<i>Oyster Bay, N. Y.</i>	9 N. C.
Walling Evert Harvey,	<i>Washington, D. C.</i>	87 N. C.
† Archibald William Henry,	<i>Jersey City, N. J.</i>	79 N. C.
† George Foster Herben,	<i>Chicago, Ill.</i>	27 N. C.
Wilmer Edgar Herr,	<i>Flemington, N. J.</i>	64 N. C.
Elias Wells Hockenbury,	<i>Pottersville, N. J.</i>	21 N. C.
† Fred Colburn Holton,	<i>Chicago, Ill.</i>	Δ. T. Δ. House.
† Willard Earl Honsinger,	<i>Westfield, Mass.</i>	<i>163 Cross St.</i>
† Frederick Hoffman Hotchkiss,	<i>Waterbury.</i>	<i>301 College St.</i>
† George Howland Irwin,	<i>Norristown, Pa.</i>	<i>58 Wyllys St.</i>
† Charles Johnson,	<i>Bristol.</i>	14 O. H.
† Dan Cummins Kenan,	<i>El Paso, Tex.</i>	12 O. H.
Clarence Ketcham,	<i>Oyster Bay, N. Y.</i>	9 N. C.
† Robert Chipman Kneil,	<i>Saratoga Springs, N. Y.</i>	29 N. C.
Austin Hubbert Kuhns,	<i>Middletown.</i>	<i>158 High St.</i>
Charles Harold Laycock,	<i>Wilkes-Barre, Pa.</i>	82 N. C.
Roland Louis Luerich,	<i>Newark, N. J.</i>	21 N. C.
† Morell MacKenzie,	<i>Boston, Mass.</i>	77 N. C.
† Ross Albert MacMullen,	<i>Brooklyn, N. Y.</i>	48 N. C.
William Bradford Maskiell,	<i>Long Island City, N. Y.</i>	59 N. C.
† Forrest Linwood Morton,	<i>Ipswich, Mass.</i>	15 N. C.
Lawrence Bradford Neeld,	<i>Meyersdale, Pa.</i>	77 N. C.
Parker Newhall,	<i>Somerville, Mass.</i>	101 N. C.
† Alwin Wood Norton,	<i>Far Rockaway, N. Y.</i>	12 N. C.
Edward Fenn Nourse,	<i>Berlin.</i>	94 N. C.
Frank Harrison Nye,	<i>Keene, N. Y.</i>	<i>24 Grand St.</i>
Harry Ray Osgood,	<i>Greenfield, Mass.</i>	6 N. C.
Charles Frederic Pickles,	<i>East Boston, Mass.</i>	50 N. C.
Louis Wetherbee Pitt,	<i>Middletown.</i>	<i>12 Main St.</i>
Albert Irving Prince,	<i>Chelsea, Mass.</i>	7 N. C.

NAMES.	RESIDENCES.	ROOMS.
John Wesley Prince,	<i>Hornell, N. Y.</i>	9 O. H.
† Junius Raboteau,	<i>Brooklyn, N. Y.</i>	48 N. C.
Stuart Lowell Rich,	<i>Boston, Mass.</i>	14 N. C.
Joseph Atherton Richards,	<i>Honolulu, Hawaii.</i>	82 N. C.
Harold Andrew Richmond,	<i>Norwich.</i>	13 O. H.
† Robert Sherman Ross,	<i>Elizabeth, N. J.</i>	Y. Y. House.
† Roy Adelbert Sampson,	<i>Dexter, Me.</i>	Commons Club.
† Henry Ernest Schinzel,	<i>Hoboken, N. J.</i>	18 N. C.
† Charles Schlager,	<i>Binghamton, N. Y.</i>	12 N. C.
Edward Warren Sine,	<i>Philadelphia, Pa.</i>	7 N. C.
† Harold Robert Smart,	<i>Searsport, Me.</i>	83 N. C.
† Hugh Llewellyn Smith,	<i>Binghamton, N. Y.</i>	19 O. H.
† William Sherman Smith,	<i>Annandale, N. Y.</i>	128 Lincoln St.
† John Sorenson, Jr.,	<i>El Paso, Tex.</i>	12 O. H.
† Lloyd Winings Spies,	<i>Reading, Pa.</i>	64 Church St.
Charles Francis Stanley,	<i>Middletown.</i>	State Hospital.
Douglas Clark Stearns,	<i>Norfolk.</i>	262 College St.
† Walter Richey Stillman,	<i>Watertown, N. Y.</i>	23 N. C.
† Fred Robert Strasburg,	<i>Rumford, Me.</i>	4 N. C.
† Joseph Aubrey Sutton,	<i>Philadelphia, Pa.</i>	96 N. C.
Charles Hatfield Taft, Jr.,	<i>Montclair, N. J.</i>	18 N. C.
Henry Boardman Taylor,	<i>Moers, N. Y.</i>	24 Grand St.
James Adams Thompson,	<i>Plattsburg, N. Y.</i>	57 N. C.
Francis Bourne Upham, Jr.,	<i>Brooklyn, N. Y.</i>	86 N. C.
† Samuel Hobart Usher,	<i>Brooklyn, N. Y.</i>	240 High St.
Samuel Norton Vose,	<i>Madison, Me.</i>	91 N. C.
† Raymond Brown Waldo,	<i>Barre, Vt.</i>	240 High St.
Howard Boniwell Warren,	<i>Selbyville, Del.</i>	9 O. H.
† Malvern Paul Westcott,	<i>Trenton, N. J.</i>	3 N. C.
John Cheney White,	<i>Auburn, N. Y.</i>	35 N. C.
† Kenneth Osborn Wilcox,	<i>Westfield, N. J.</i>	A. A. Φ. House.
Harold Rideout Willoughby,	<i>North Haverhill, N. H.</i>	7 O. H.
John Andrew Wood,	<i>Princeton, N. J.</i>	96 N. C.
† James Orville Wood,	<i>Mapleville, R. I.</i>	80 N. C.
† Tracy Wood,	<i>Nutley, N. J.</i>	18 E. H.
Douglas Farwell Woolley,	<i>New York, N. Y.</i>	87 N. C.
Harold Abbott Wooster,	<i>Northfield.</i>	301 College St.
† Henry Hopkins Wright,	<i>East Hardwick, Vt.</i>	19 O. H.

SPECIAL STUDENTS.

NAMES.	RESIDENCES.	ROOMS.
Eli Allison,	<i>Bramley, Leeds, England.</i>	19 E. H.
Kenneth Walton Brown,	<i>Yonkers, N. Y.</i>	68 <i>Lawn Ave.</i>
Arthur Benjamin Calef, 3rd,	<i>Middletown.</i>	171 <i>Broad St.</i>
William Aubrey Gough,	<i>Bridgeport.</i>	305 <i>William St.</i>
E. Jay Hanford,	<i>Mamaroneck, N. Y.</i>	Δ. K. E. <i>House.</i>
Richard Miner Hewitt,	<i>Middletown.</i>	178 <i>High St.</i>
Emery Yale Morse,	<i>Wallingford.</i>	99 N. C.
Victor Ambrose Welton,	<i>Morristown, N. J.</i>	7 O. H.

SUMMARY.

	MEN.	WOMEN.	TOTAL.
GRADUATE STUDENTS,	- - - - 9	2	11
SENIORS, - - - - -	61	4	65
JUNIORS, - - - - -	90	—	90
SOPHOMORES, - - - - -	111	—	111
FRESHMEN, - - - - -	111	—	111
SPECIAL STUDENTS, - - - - -	8	—	8
Total, - - - - -	390	6	396

ABBREVIATIONS.

N. C., - - - - -	North College.
S. C., - - - - -	South College.
O. H., - - - - -	Observatory Hall.
E. H., - - - - -	East Hall.
J. H., - - - - -	Judd Hall.
F. H., - - - - -	Fisk Hall.
S. L., - - - - -	Scott Laboratory of Physics.
† - - - - -	Scientific Course.

CLASSIFICATION BY RESIDENCE.

UNITED STATES.

New York,	-	-	-	111
Connecticut,	-	-	-	74
New Jersey,	-	-	-	53
Massachusetts,	-	-	-	45
Pennsylvania,	-	-	-	33
Maine,	-	-	-	21
New Hampshire,	-	-	-	7
District of Columbia,	-	-	-	7
Vermont,	-	-	-	5
Texas,	-	-	-	5
Maryland,	-	-	-	4
Indiana,	-	-	-	3
Rhode Island,	-	-	-	3
Ohio,	-	-	-	3
Illinois,	-	-	-	3
California,	-	-	-	1

Colorado,	-	-	-	-	1
Delaware,	-	-	-	-	1
Washington,	-	-	-	-	1
Missouri,	-	-	-	-	1
Wisconsin,	-	-	-	-	1
Tennessee,	-	-	-	-	1
Alabama,	-	-	-	-	1
North Carolina,	-	-	-	-	1
Michigan,	-	-	-	-	1
Kentucky,	-	-	-	-	1

FOREIGN COUNTRIES.

Italy,	-	-	-	-	2
England,	-	-	-	-	1
Porto Rico,	-	-	-	-	1
Hawaii,	-	-	-	-	1
Total,	-	-	-	-	396

GENERAL STATEMENT.

Courses of Study.—The College presents to its undergraduates the option of two parallel courses of study, each extending through four years, one leading to the degree of Bachelor of Arts, the other to the degree of Bachelor of Science. Either Latin or Greek is required for admission to the former course. In the Freshman year English is required of students of both courses. The rest of the work is elective from a limited number of courses, with the requirement that a candidate for the B. A. degree must take a three-hour course in either Latin or Greek, and a three-hour course in one of the following: Latin, Greek, Mathematics, Modern Languages; a candidate for the B. S. degree must take the following courses in college, unless he has presented them for admission: Trigonometry, and either Advanced Algebra, Solid Geometry or Analytic Geometry; I. and II. French; I. and II. German. In the three remaining years, all the studies are elective, within the limits of a group system. Each student must elect a major study.

Special Courses.—Students who do not desire to complete either of the foregoing courses may receive instruction in such studies as they may select, provided they prove themselves, upon examination, qualified to pursue them with advantage. It should, however, be understood that this provision is intended for the benefit, not of those students who are incompetent to take one of the regular courses, but of those who have already obtained a preliminary education so thorough as to enable them to pursue with advantage extended courses of study in particular departments. Such special students will be expected to attend all exercises assigned them, and will be subject to all the general rules of the college.

Graduate Studies.—Extended instruction is given to those who wish to pursue graduate courses of study in any of the departments. Further information concerning such graduate courses is given in the reports of the several departments on courses of instruction, and also in connection with the statement of conditions for the degrees of Master of Arts and Master of Science.

REQUIREMENTS FOR ADMISSION.



For admission without condition the candidate must secure credit for $14\frac{1}{2}$ units, a unit representing a year's work in a secondary school with four or five periods a week.

B. A. DEGREE.—Candidates for the B. A. degree must present English, 3 units, Elementary Algebra, $1\frac{1}{2}$ units, Plane Geometry, 1 unit, Ancient History and Geography, 1 unit, and either Latin, 4 units, or Greek, 3 units; making a total of $10\frac{1}{2}$ or $9\frac{1}{2}$ units. The remaining units to make up a total of $14\frac{1}{2}$ may be selected from any of those specified below. Unless both Latin and Greek are offered, candidates must present an elementary modern language, or take a corresponding course in college.

B. S. DEGREE.—Candidates for the B. S. degree must present English, 3 units, Elementary Algebra, $1\frac{1}{2}$ units, Plane Geometry, 1 unit, History, 1 unit, one elementary modern language, 2 units; making a total of $8\frac{1}{2}$ units. The remaining units to make up a total of $14\frac{1}{2}$ may be selected from any of those specified below. Unless two units in science are offered, at least five hours of science must be taken in college.

SCALE OF VALUES.

	Units.
English, - - - - -	3
Latin, 2 years, - - - - -	2
3rd year, - - - - -	1
4th year, - - - - -	1
Greek, 2 years, - - - - -	2
Greek, 3rd year, - - - - -	1
German—Elementary, 2 years, - - - - -	2
Intermediate, 3rd year, - - - - -	1
French—Elementary, 2 years, - - - - -	2
Intermediate, 3rd year, - - - - -	1

	Units.
History—Ancient History and Geography, - - -	I
Mediaeval and Modern History, - - -	I
English History, - - - - -	I
American History, - - - - -	I
Mathematics—Elementary Algebra, - - -	1½
Plane Geometry, - - - - -	I
Solid Geometry, - - - - -	½
Advanced Algebra, - - - - -	½
Plane Trigonometry, - - - - -	½
Physics, theoretical and practical, - - -	I
Chemistry, theoretical and practical, - - -	I
Physical Geography, - - - - -	I
Biology, - - - - -	I

REQUIREMENTS IN DETAIL.

ENGLISH.

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with intelligence and appreciation.

I. ENGLISH GRAMMAR AND COMPOSITION.

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs, and the different kinds of composition, including letter writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise narration, description, and easy exposition and argument based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge, and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises, whether oral or written.

II. LITERATURE.

The second object is sought by means of two lists of books, headed respectively Reading and Study, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place in literary history.

A. READING.—The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

Students entering in 1912 will read:

Shakespeare's *As You Like It* and *Julius Cæsar*; Franklin's *Autobiography*; Goldsmith's *The Deserted Village*; Dickens's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Irving's *Sketch Book*; Scott's *The Lady of the Lake*; Byron's *Mazeppa* and *The Prisoner of Chillon*; Macaulay's *Lays of Ancient Rome*.

Students entering in 1913, 1914, and 1915 will make selections from the following list of works approved by the Conference on Uniform Entrance Requirements in English. Students entering in 1912 may also, if they prefer, be examined on a selection of books from this list, but must give notice of their intention to do so by the first day of June.

With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from which at least ten units* are to be selected, two from each group:

1. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I., II., III., IV., V., XV., XVI., XVII.; the Iliad, with the omission, if desired, of Books XI., XIII., XIV., XV., XVII., XXI.; Vergil's *Æneid*. The Odyssey, Iliad, and *Æneid* should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

2. Shakespeare's *Merchant of Venice*; *The Midsummer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Cæsar*.

3. Defoe's *Robinson Crusoe*, Part I.; Goldsmith's *Vicar of Wakefield*; either Scott's *Ivanhoe* or Scott's *Quentin Durward*;

* Each "unit" is set off by semicolons.

Hawthorne's *The House of the Seven Gables*; either Dickens's *David Copperfield*, or Dickens's *A Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

4. Bunyan's *Pilgrim's Progress*, Part I.; The Sir Roger de Coverley Papers in *The Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's *Essays on Lord Clive and Warren Hastings*; Thackeray's *English Humourists*; Selections from Lincoln, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and Letter to Horace Greeley, along with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden*, or Huxley's *Autobiography and Selections from Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; Stevenson's *Inland Voyage and Travels with a Donkey*.

5. Palgrave's *Golden Treasury* (First Series), Books II. and III., with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village*; Coleridge's *Ancient Mariner* and Lowell's *The Vision of Sir Launfal*; Scott's *The Lady of the Lake*; Byron's *Childe Harold*, Canto IV., and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV., with especial attention to Wordsworth, Keats, and Shelley; Poe's *Raven*, Longfellow's *The Courtship of Miles Standish*, and Whittier's *Snow Bound*; Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

B. STUDY.—This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. For this close reading are provided a play, a group of poems, an oration, and an essay, as follows:

For students entering in 1912:

Shakespeare's *Macbeth*; Milton's *Comus*, *L'Allegro*, and *Il Penseroso*, or Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Burke's *Speech on Conciliation with America* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; Macaulay's *Life of Johnson* or Carlyle's *Essay on Burns*.

For students entering in 1913, 1914, and 1915:

Shakespeare's *Macbeth*; Milton's *L'Allegro*, *Il Penseroso*, and *Comus*; either Burke's *Speech on Conciliation with America*, or both Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*; either Macaulay's *Life of Johnson*, or Carlyle's *Essay on Burns*.

EXAMINATIONS.—However accurate in subject-matter, no paper will be considered satisfactory if seriously defective in punctuation, spelling, or other essentials of good usage.

The examination will be divided into two parts, one of which may be taken as a preliminary, and the other as a final.

The first part of the examination will be upon the books chosen, in accordance with the plan described earlier, from the lists headed *Reading*; and it may include also questions upon grammar and the simpler principles of rhetoric, and a short composition upon some topic drawn from the student's general knowledge or experience. On the books prescribed for reading, the form of the examination will usually be the writing of short paragraphs on several topics which the candidate may choose out of a considerable number. These topics will involve such knowledge and appreciation of plot, character-development, and other qualities of style and treatment as may be fairly expected of boys and girls. In grammar and rhetoric, the candidate may be asked specific questions upon the practical essentials of these studies, such as the relation of the various parts of a sentence to one another, the construction of individual words in a sentence of reasonable difficulty, and those good usages of modern English which one should know in distinction from current errors.

The second part of the examination will include composition and those books comprised in the list headed *Study*. The test in composition will consist of one or more essays, developing a

theme through several paragraphs; the subjects will be drawn from the books prescribed for study, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading. For this purpose the examiner will provide several subjects, perhaps five or six, from which the candidate may make his own selections. The test on the books prescribed for study will consist of questions upon their content, form, and structure, and upon the meaning of such words, phrases, and allusions as need explanation for an understanding of the works and an appreciation of their salient qualities of style. General questions may also be asked concerning the lives of the authors, their other works, and the periods of literary history to which they belong.

LATIN.

I. AMOUNT AND RANGE OF READING REQUIRED.

1. The Latin reading required of candidates for admission to the B. A. course, without regard to the prescription of particular authors and works, is not less *in amount* than Caesar, Gallic War, I.-IV.; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Aeneid, I.-VI.

2. The amount of reading specified above should be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II. SUBJECTS AND SCOPE OF THE EXAMINATIONS.

1. Translation at Sight. Candidates will be examined in translation at sight of both prose and verse. In vocabulary, constructions, and range of ideas, the passages set will be suited to the preparation secured by the reading indicated above.

2. Prescribed Reading. Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Aeneid, I., II., and either IV. or VI. at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for

translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

The papers set by the College Entrance Examination Board, corresponding to the above requirements, are NR 4 and NR 5.

3. Grammar and Composition. The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

The papers set by the College Entrance Examination Board, corresponding to the above requirements, are NR 1 and NR 2.

In the case of candidates who desire credit for *two years'* work in Latin, the required reading is not less *in amount* than Caesar, Gallic War, I.-IV., and should be selected from the following: Caesar (Gallic War and Civil War) and Nepos (Lives). The test is on ability to read at sight, and no part of the reading is prescribed for examination. The corresponding paper of the College Entrance Examination Board is NR 3. For *three years'* credit, the required reading is not less *in amount* than Caesar, Gallic War, I.-IV., and Cicero, the orations against Catiline, for the Manilian Law, and for Archias; this reading should be selected from Caesar (Gallic War and Civil War) and Nepos (Lives), Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War). Cicero's orations for the Manilian Law and for Archias are prescribed for examination, in addition to the translation at sight. The corresponding paper of the College Entrance Examination Board is NR 4. For this may be substituted, if desired, the examination in fourth-year Latin, Vergil and Translation of Poetry at sight (NR 5).

Certificates for two years of Latin must state that the candidate has had systematic practice, and has exhibited satisfactory proficiency, in reading at sight Latin of the average difficulty of Caesar; certificates for three years must vouch for similar

practice and proficiency in reading at sight Latin of the average difficulty of either Cicero's orations or Vergil's Aeneid; and certificates for four years must vouch for such practice and proficiency in reading at sight Latin of the average difficulty of both Cicero's orations and Vergil's Aeneid.

GREEK.

1. Greek grammar, including prosody. The following textbooks are recommended: Hadley-Allen's, Goodwin's, or Babbitt's.

2. Xenophon,—Anabasis, books I.—IV.

3. Homer,—Iliad, books I.—III.

4. Translation at sight of one or more passages from Xenophon.

5. Translation into Greek of easy narrative passages based on the required books of the Anabasis.

To meet the full requirement in Greek, candidates must pass the following examinations of the College Entrance Examination Board: Greek *a i*, *a ii*, *b*, *c*, *g*.

GERMAN.

ELEMENTARY (counting as two units).—Such a knowledge of the language is required as may be obtained by the reading of at least 300 pages, part of which should be read at sight. The examination consists of the translation at sight into English of easy passages of German, elementary grammatical questions, and the translation of simple English sentences into German. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of at least 300 additional pages of German (not more than half of which should be fiction), and regular practice in writing and speaking German. At least one additional year of study will be necessary to meet this requirement.

FRENCH.

ELEMENTARY (counting as two units).—Such a knowledge of the language is required as may be obtained by the reading of at least 400 pages, part of which should be read at sight.

The examination consists of the translation at sight into English of easy passages of French, elementary grammatical questions, and the translation of simple English sentences into French. To meet this requirement two years' work will generally be necessary.

INTERMEDIATE.—The requirement includes the reading of not less than 600 additional pages of French (including at least two works of a dramatic character), and regular practice in writing and speaking French. At least one additional year of study will be necessary to meet this requirement.

HISTORY.

1. Ancient History to the death of Charlemagne (814).
2. Mediaeval and Modern European History from the death of Charlemagne (814) to the present time.
3. English History.
4. American History and Civil Government.

These four courses are outlined in *The Study of History in Schools: Report to the American Historical Association by the Committee of Seven* (1899), and with more detail in *A History Syllabus for Secondary Schools . . . by a Special Committee of the New England History Teachers' Association* (1904), and in *Syllabus for Secondary Schools, 1910*, published by the University of the State of New York. These courses are identical with those scheduled for examination by the College Entrance Examination Board.

In each of the above courses the following requirements must be met:

1. One year of historical work, wherein the study is given five times per week, or two years of historical work, wherein the study is given three times per week.
2. Such general knowledge of the whole course as may be acquired from the study of an accurate text-book, amounting to not less than 500 pages.
3. A fuller knowledge derived from suitable collateral reading, in books of a less elementary nature, amounting to at least 500 pages.

4. Comparisons between historical characters, periods and events, and in general the power to combine in orderly fashion the results of reading, and to exercise judgment as well as memory.

5. Geographical knowledge, tested by the location of places, movements and territorial changes on an outline map, by physical features wherever possible, as well as by political features.

Schools having the certificate privilege must certify only those courses in history actually pursued in the high school and must omit any courses taken in the grammar school, or merely passed on examination, or not complying with the above requirements.*

The Regents' diplomas and supplementary pass cards of the University of the State of New York for the *five*-hour examinations will be received as covering the first, third, and fourth of the above groups, and for the three hour examinations in *both* Modern History I. and Modern History II. as covering the second of the above groups.†

Candidates for the B.A. degree must present Ancient History, the first of the above groups, and may, in addition, present one or more of the other groups. Candidates for the B. S. degree must present at least one of the above groups, preferably the fourth (American History and Civil Government), and, in addition, may present one or more of the other groups.

* In case of schools entitled to the certificate privilege, where any of the courses in history are such that they do not meet the above requirements, the teacher should give the student a detailed statement of the courses taken and of his grades, which statement will be considered in connection with such examination as may be deemed necessary to determine the amount of credit to be allowed. In no case will account be taken of a course in Greek History which does not extend at least to the death of Alexander (B. C. 323), or of a course in Roman History which does not extend at least to the death of Marcus Aurelius (A. D. 80). No account will be taken of any course of less than five periods for a half-year, or three periods for a year.

† No credit will be allowed for the *three*-hour examination in Ancient History. Temporarily, the three-hour examinations in the other subjects will be credited for a half-unit. No credit is given for Elementary United States History and Civics, or Civics, or Economics.

MATHEMATICS.

1. ELEMENTARY ALGEBRA.

(a) Algebra to Quadratics. The four fundamental operations for rational algebraic expressions. Factoring determination of highest common factor and lowest common multiple by factoring. Fractions, including complex fractions, and ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. Radicals, including the extraction of the square root of polynomials and of numbers. Exponents, including the fractional and negative.

(b) Quadratics and beyond. Quadratic equations, both numerical and literal. Simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations. Problems depending on quadratic equations. The binomial theorem for positive integral exponents. The formulas for the n th term and the sum of the terms of arithmetical and geometric progressions, with applications.

2. PLANE GEOMETRY.

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons, and the measurement of the circle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

3. SOLID GEOMETRY.

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of surfaces and solids.

4. ADVANCED ALGEBRA.

Permutations and combinations, limited to simple cases. Complex numbers, with graphical representation of sums and differences. Determinants, chiefly of the second, third, and

fourth orders, including the use of minors and the solution of linear equations. Numerical equations of higher degree, and so much of the theory of equations, with graphical methods, as is necessary for their treatment, including Descartes' rule of signs and Horner's method, but not Sturm's functions or multiple roots.

5. PLANE TRIGONOMETRY.

Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles. Proofs of principal formulas, in particular for the sine, cosine, and tangent of the sum and the difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines, etc.; the transformation of trigonometric expressions by means of these formulas. Solution of trigonometric equations of a simple character. Theory and use of logarithms (without the introduction of work involving infinite series). The solution of right and oblique triangles, and practical applications.

PHYSICS.

The course of instruction should include:

- (1) The careful study of a standard text-book, for the purpose of obtaining a connected and comprehensive view of the subject.
- (2) Lecture table demonstrations, mainly qualitative, illustrating important facts and phenomena and their practical applications.
- (3) Individual laboratory work, consisting of experiments requiring at least the time of thirty double periods. The experiments performed by each student should number at least 30. They should be chiefly quantitative, and so chosen as to give a wide range of observation and practice. They should be neatly recorded in a suitable note-book, *indexed, and certified by the instructor*. This book should be deposited at the Secretary's office for examination, when the candidate presents himself for admission to college.

The above requirements are intended to be identical with those of the College Entrance Examination Board, as set forth

in their Document No. 48. Teachers of physics are advised to consult this document for a valuable syllabus of topics and list of experiments.*

CHEMISTRY.

The requirements for admission in chemistry may be summarized as follows:

(1) Individual laboratory work, comprising at least forty experiments. The candidate must present his original note-book containing a record in his own words of the experiments, and of his observations and conclusions in connection with them. The note-book should include *an index of the experiments performed, and must be certified by the instructor*. It should be deposited for inspection at the Secretary's office at the time when the candidate presents himself for admission to college.

(2) Instruction by lecture table demonstrations, covering the more important facts and principles of chemistry.

(3) The thorough study of at least one standard text-book, for the acquisition of a comprehensive and connected view of the subject.

These requirements are intended to be identical with those of the College Entrance Examination Board. Teachers who desire to meet them should consult Document No. 48 of the Board.*

PHYSICAL GEOGRAPHY AND BOTANY.

(1) In physical geography, such a knowledge of the subject is required as may be gained from the study of the text-book of any one of the following authors: Salisbury, Tarr, Davis, Gilbert and Brigham, Hinman, Dryer, Hopkins, and Geikie. Certificates in physical geography will not be accepted without examination, with credit of one half-unit, unless one of the text-books above mentioned has been used, and the time devoted to the study has been at least the equivalent of four exercises a week for a half-year. Certificates will not be accepted without examination, with credit of one unit, unless

* Address College Entrance Examination Board, P. O. Sub-Station 84, New York City. The price of the document is ten cents.

one of the text-books above mentioned has been used, supplemented by collateral reading or laboratory work, and the time devoted to the study has been at least the equivalent of four exercises a week for a year.

(2) Credit will be given in biology for either one half unit or for one unit, according to the amount of time the student has given to the study. To obtain a credit of one unit, the student must have given to the study the equivalent of five hours a week for a year. Credit will be allowed for work in either botany or zoölogy, any of the modern text-books in these subjects being recognized as satisfactory. If the student desires credit for a unit in botany he is expected to have a knowledge of both structural and morphological botany, and to have a practical familiarity with the method of analyzing flowers and using analytical keys. In zoölogy a more thorough comprehension of the structure and classification of animals is expected if a unit credit is given than if only a half unit. In case a student has had an extended course in physiology, this may be accepted in place of botany.

SPECIAL COURSES.

Special students, not candidates for a degree, may be admitted, upon passing such examinations as the Faculty shall in each case prescribe. (See also page 29.)

GENERAL REGULATIONS CONCERNING ADMISSION.

ADVANCED STANDING.—All candidates for advanced standing must satisfy the Faculty of their proficiency in the preparatory studies, the required studies already pursued by the classes they propose to enter, and the proper quota of elective studies, or studies recognized as equivalents therefor. A certificate of standing in another college is not accepted as evidence of such proficiency, without such further inquiry or examination as may be necessary in the judgment of the respective instructors.

PRELIMINARY EXAMINATIONS.—Preliminary examinations in any of the requirements for admission may be taken a year or more before entering college, and a candidate will receive credit for any subjects thus passed in advance.

DATE AND PLACE OF EXAMINATIONS.—Examinations for admission are held twice each year, in June and in September.

In June the entrance examinations of the college are those of the College Entrance Examination Board, of which Wesleyan University is a member. An application for the privilege of taking these examinations must be made to the Secretary of the College Entrance Examination Board, Post Office Sub-Station 84, New York, N. Y., from whom all necessary information regarding the June examinations can be obtained. These examinations will be held June 17-22, 1912, at a large number of widely distributed points, including Middletown.

Applications for examination at points in the United States east of the Mississippi River (also at Minneapolis, St. Louis, and other points on the Mississippi River) must be received by the Board on or before Monday, June 3, 1912; applications for examination elsewhere in the United States or in Canada must be received on or before Monday, May 27, 1912; and applications for examination at points outside of the United States and Canada must be received on or before Monday, May 13, 1912. In order to facilitate the making of arrangements for the proper conduct of the examinations, it is desired that all applications be filed as early as possible.

Each application filed in accordance with the foregoing requirements must be accompanied by the examination fee, which is \$5.00 for candidates examined at points in the United States and Canada, and \$15.00 for candidates examined at points outside the United States and Canada. This fee should be remitted by postal order, express order, or draft on New York, payable to the College Entrance Examination Board.

Applications received later than the dates named above will be accepted when it is practicable to arrange for the examination of the candidates concerned, but only upon the payment of \$5.00 in addition to the regular fee. The blank forms necessary for making this application may be obtained only from the Secretary of the College Entrance Examination Board.

The fees of candidates for examination in June, 1912, whose applications have been accepted by the Secretary, can under no circumstances be returned unless the request for their return is received on or before Monday, June 10, 1912.

A candidate for examination in two or more years will be required to pay the examination fee in each year.

The examinations in September will be conducted by the college, and no fees will be charged. They will be held only in Middletown. The date of the examination in 1912 will be September 18-19.

ADMISSION BY CERTIFICATE.—Certificates covering the foregoing requirements for admission to college are received from certain schools of good standing, which have been approved by the Faculty. A certificate will not be received unless it covers decidedly the major part of the requirements for admission.

No certificate will be received from any school in New England which has not been approved by the New England College Entrance Certificate Board, of which this college is a member. The Secretary of the Board is Prof. N. F. Davis, of Brown University, Providence, R. I., to whom applications from New England schools for the certificate privilege should be addressed. Such applications must reach the Secretary not later than April first, if approval is desired for the next academic year.

Certificates of the College Entrance Examination Board will be received in lieu of examination in the subjects which they cover.

Diplomas issued by the Regents of the University of the State of New York, and pass cards supplementary to such diplomas, will be received in lieu of examination in the subjects which they cover. Regents' certificates will also be received, provided they cover decidedly the major part of the requirements for admission.

Certificates from preparatory schools and Regents' diplomas are never accepted in lieu of examination for advanced standing.

Students entering by certificate are considered as on trial until the completion of the mid-year examinations. A student admitted to college on certificate, who is dismissed during his

Freshman year on account of inability to keep up with his class, must take examinations in all subjects required for admission, in case he desires to return to college.

Detailed information concerning admission by certificate may be obtained on application to the Secretary of the Faculty.

ADMISSION OF WOMEN.—Women were first admitted to the University in 1872. The Trustees voted, February 26, 1909, that no women should be admitted in any class later than that entering in 1909. Women may be admitted, however, as graduate students. The Trustees have adopted a resolution favoring the establishment of a coördinate college for women as soon as the necessary funds can be secured.

Satisfactory evidence of good moral character will be required in the case of all candidates for admission; and certificates of honorable dismissal will be required from those who have been members of other colleges.

COURSES OF INSTRUCTION.

For regulations concerning selection of studies, see page 94.

Bracketed courses are not given this year, but will, in most cases, be given next year.

The figures ¹ and ² following the number of a course indicate respectively that the course is offered for the first or the second half-year.

The Roman numerals in parentheses following each course indicate the examination group to which it is assigned. For table of groups, see pages 92 and 93.

The place of meeting of each course is indicated by means of the following abbreviations: F. H.=Fisk Hall; J. H.=Judd Hall; O. H.=Observatory Hall; S. L.=Scott Laboratory of Physics; CHEM. LAB., BIOL. LAB.=Chemical, Biological Laboratory.

An asterisk prefixed to the number of a course indicates that it can be elected only with the previous approval of the instructor; such approval must be *in writing* and must be handed in by the student *along with his list of electives*.

LATIN.

PROFESSOR HARRINGTON; ASSOCIATE PROFESSORS NICOLSON
AND HEWITT.

Of the following courses in Latin, Courses I. and I.A. are given every year, the remaining courses usually in alternate years only, the bracketed courses being omitted in 1911-12. Either Course I. in Latin or Course I. in Greek is required of all candidates for the degree of B.A. Course I.A. should be elected in Freshman year by all students intending to pursue any further study of the classics. Courses II.-VI. are elective for those who have taken Course I. Courses I., I.A., two of Courses II.-V., and any one of Courses VI., XVI., and XVII. are required of candidates for preliminary honors in classics. Courses VII.-XXI. are intended primarily for those who have taken at least Course I. and two of Courses II.-V. But Courses XVI. and XX. may by special permission of the instructor be elected by those who have taken only Course I.; and students of marked ability in the reading of Latin, who are taking one of Courses II.-V., may be admitted to certain of the other courses at the same time by special permission of the instructor, to whom application should in each case be made.

I. LIVY,—Selections (*first half-year*). TERENCE,—Phormio; PLAUTUS,—Menaechmi (*second half-year*). Exercises in sight translation throughout the year. SECTION 1, *Mon., Wed., Fri., at 9*; SECTION 2, *Tu., Th., Sat., at 9*; SECTION 3, *Tu., Th., Sat., at 11*. 31 F. H. PROFESSORS NICOLSON and HEWITT. (II.)

I.A. SUPPLEMENTARY COURSE. Training in rapid reading; practice in Latin composition. Occasional lectures throughout the year by the instructors in Latin, giving a preliminary survey of the various departments of classical study. *Wed., at 11*. 31 F. H. PROFESSOR NICOLSON. (IV.)

II.¹ CICERO,—Selected letters, to give a more intimate acquaintance with the history of Rome during the last two decades of the republic, and to compare colloquial with formal Latin. *Tu., Th., at 12 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (XI.)

III.² HORACE,—Odes and Epodes, to illustrate the lyric art of the Augustan age. *Tu., Th., at 12 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (XI.)

[IV.¹ HORACE,—Satires and Epistles, to illustrate the social and literary standards of Rome at the beginning of the empire. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[V.² PLINY THE YOUNGER,—Selected letters, to illustrate especially the state of Roman society at the close of the first century after Christ. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

VI.¹ LATIN PROSE COMPOSITION. In this course the elementary principles of Latin style are studied and considerable amounts of English prose (dealing with subjects both ancient and modern) are translated into Latin. *Tu., Th., at 3 (first half-year)*. 31 F. H. PROFESSOR HEWITT. (XII.)

[VII. RAPID READING. The aim in this course is to read large amounts of comparatively easy Latin, with a view to acquiring facility in the use of the language. The selections for the first half-year are from poetry (Vergil, Plautus, Terence);

in the second half-year from prose (Caesar, Suetonius, Gellius). A considerable part of the reading is done outside of class, and tested by questions and written recitations. *Twice a week.* PROFESSOR NICOLSON.]

[VIII. ROMAN LITERATURE. A historical and critical survey of Roman literature given by means of lectures, a text-book dealing with the general subject, illustrative class-room readings in Latin and in English translations, and a choice of several collateral reading courses covering different periods. This course is designed primarily for students who desire a wider general acquaintance with the literature of the Romans and its relation to other literatures, without special emphasis upon its distinctly philological features. *Twice (counting as three times) a week.* PROFESSOR HARRINGTON.]

IX. ROMAN ELEGIAC POETRY. The origin and development of the elegiac form. Selections from Catullus, Tibullus, Propertius, and Ovid. Practice in original research. Seminar methods are employed. *Tu., Th., at 9.* 32 F. H. PROFESSOR HARRINGTON. (VIII.)

X.¹ OVID,—the *Fasti*, with special attention to questions of Roman history and ritual. *Mon., Fri., at 10 (first half-year).* 13 F. H. PROFESSOR NICOLSON. (III.)

XI.¹ ROMAN SATIRE. From its beginnings through the Golden Age. Selections from Ennius, Lucilius, Varro, Horace, and Persius. *Mon., Wed., at 3 (first half-year).* 31 F. H. PROFESSOR HARRINGTON. (VI.)

XII.² ROMAN SATIRE. A continuation of Course XI. Selections from Juvenal, Petronius, and Apuleius; the *Apocolocyntosis* of Seneca; lectures on the earliest forms of the novel. *Mon., Fri., at 10 (second half-year).* 13 F. H. PROFESSOR NICOLSON. (III.)

XIII. ROMAN PHILOSOPHY. Lucretius (selections); Cicero (selections from the *Academica*, *De Officiis*, *Tusculanae Disputationes*, *De Finibus*, *De Natura Deorum*); Seneca (selected essays and epistles); lectures on the development of Roman philosophy. *Mon., Wed., Fri., at 8.* 31 F. H. PROFESSOR HARRINGTON. (I.)

XIV.² TACITUS. Selections from the Annals I.-VI., designed to illustrate the author's conception of the character of Tiberius, and of the upbuilding of the principate. *Tu., Th., at 3 (second half-year)*. 31 F. H. PROFESSOR HEWITT. (XII.)

XV.¹ CATULLUS. The beginnings of lyric poetry among the Romans, with a brief study of its later development and of lyric forms in post-classical and mediæval Latin. *Tu., Th., at 8 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (VII.)

XVI.¹ ROMAN PRIVATE LIFE AND SOCIAL INSTITUTIONS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Mon., Wed., Fri., at 12 (first half-year)*. 31 F. H. PROFESSOR HARRINGTON. (V.)

XVII.² HISTORICAL LATIN GRAMMAR. Lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. *Mon., Wed., Fri., at 12 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (V.)

[XVIII.¹ LATIN EPIGRAPHY. An introductory course, with special attention to inscriptions of historical interest. The course is prefaced by a brief survey of the general classes and formal characteristics of Latin inscriptions, based upon Egbert's Introduction. *Twice a week (first half-year)*. PROFESSOR HARRINGTON.]

[XIX.² ROMAN TOPOGRAPHY AND PUBLIC BUILDINGS. A course of lectures, illustrated by photographs, engravings, and lantern slides, and requiring some collateral study of original and of secondary authorities, and the careful preparation of note-books. *Twice a week (second half-year)*. PROFESSOR HARRINGTON.]

XX.² ROMAN POLITICAL INSTITUTIONS AND LAW. An introductory course, based partly on original, and partly on modern authorities, given by lectures and the use of text-books. *Mon., Wed., at 3 (second half-year)*. 31 F. H. PROFESSOR HARRINGTON. (VI.)

XXI.² LATIN LITERATURE SINCE THE ROMAN EMPIRE. Lectures introductory to the literature written in the universal language of the ecclesiastical and learned European world from the fifth century to the seventeenth century. Illustrative readings from some of the most interesting types of prose and poetry, including the novel, the drama, the dialogue, the lyric, the writings of the Church Fathers. *Tu., Th., at 8 (second half-year)*. PROFESSOR HARRINGTON. 31 F. H. (VII.)

GREEK AND ROMAN MYTHOLOGY. For description, see Course X. in Greek.

For the most successful prosecution of even the earlier courses in Latin, ability to read German prose on philological subjects is decidedly advantageous, and for the most advanced courses it is generally necessary. Students, therefore, who look forward to the study of Latin beyond the more elementary courses, and who have on admission to college no acquaintance with German, should devote special attention to that subject in the Freshman year.

GREEK.

PROFESSOR HEIDEL; ASSOCIATE PROFESSOR HEWITT.

I. LYSIAS,—Select Orations; PLATO,—Euthyphro, Apology, and Crito; XENOPHON,—Memorabilia. *Mon., Wed., Fri., at 10.* 37 F. H. PROFESSOR HEIDEL. (III.)

Course I. in Greek, or Course I. in Latin, is required of candidates for the B. A. degree.

I.A. HOMER,—Odyssey. The aim of the course is to develop in the student the ability to read rapidly and at sight. It should be elected by those who intend to continue the study of Greek. *Sat., at 8.* 37 F. H. PROFESSOR HEWITT. (VII.)

Courses I. and I.A are required of candidates for preliminary honors in classics.

II. THUCYDIDES,—Book VII. (*first half-year*). HERODOTUS,—Selections (*second half-year*). *Tu., Th., at 11.* 37 F. H. PROFESSOR HEWITT. (X.)

Course II. is elective for those who have taken Course I. It is required of candidates for preliminary honors in classics.

[III. GREEK PROSE COMPOSITION. *Once a week.* PROFESSOR HEIDEL.]

Course III. is elective for those who take, or have taken, Course II. Either Course III. or Course IV. is required of candidates for preliminary honors in classics. Courses III. and IV. are given in alternate years, Course III. being omitted in 1911-12.

IV. HISTORY OF GREEK LITERATURE. Recitations, lectures, and collateral reading are supplemented by a more intensive study of selected portions of the literature. Especial stress is laid upon the relation between the Greek and English literatures, with respect both to literary form and to subject matter. Knowledge of Greek is not required. *Mon., at 8; Wed., at 3.* 37 F. H. PROFESSOR HEWITT. (I.)

Course IV. is elective for Juniors, or for Sophomores who are taking Course II. Either Course III. or Course IV. is required of candidates for preliminary honors in classics.

[V.¹ PLATO,—Gorgias; DEMOSTHENES,—The Oration on the Crown. Collateral study of Greek rhetoric and oratory. *Three times a week (first half-year).* PROFESSOR HEIDEL.]

[VI.² THE GREEK LYRIC POETS,—including selections from Pindar and Bacchylides. *Three times a week (second half-year).* PROFESSOR HEIDEL.]

Courses V. and VI. are elective for those who have taken Course II. They are omitted the present year.

VII. AESCHYLUS,—Prometheus Bound. SOPHOCLES,—Oedipus the King, and Antigone. Lectures and collateral reading on the Greek theatre (*first half-year*). EURIPIDES,—Iphigenia among the Taurians, and Cyclops. ARISTOPHANES,

—Frogs. Collateral reading on the Greek drama (*second half-year*). *Mon., at 11; Tu., Th., at 10.* 37 F. H. PROFESSOR HEIDEL. (IX.)

Course VII. is elective for those who have taken Course II.

VIII.¹ NEW TESTAMENT IN GREEK. *Tu., Th., at 2 (first half-year).* 37 F. H. PROFESSOR HEIDEL.

Course VIII. is elective for those who take, or have taken, Course II.

[IX.² THEOCRITUS AND LUCIAN. *Twice a week (second half-year).* PROFESSOR HEWITT.]

Course IX. is elective for those who have taken Course II. It is omitted the present year.

[X.¹ GREEK AND ROMAN MYTHOLOGY. The subject is discussed from the anthropological rather than the literary point of view, and the course is designed to serve as an introduction to the study of religion. It consists of recitations, lectures, and frequent reports on reading. Knowledge of Latin and Greek is not required, but the ability to read German is very desirable. *Twice a week (first half-year).* PROFESSOR HEWITT.]

Course X. is elective for Juniors. It is omitted the present year.

[XI. GREEK CIVILIZATION. Lectures and collateral reading on the political institutions, the art, religion, and scientific thought of ancient Greece in relation to modern civilization. Knowledge of Greek is not required. *Three times a week.* PROFESSOR HEIDEL.]

Course XI. is elective for Juniors. It is omitted the present year.

XII.¹ PLATO,—Republic. *Three times a week (first-half year).* 37 F. H. PROFESSOR HEIDEL.

XIII.² GREEK LITERARY CRITICISM. Aristotle's Poetics, the treatise On the Sublime, and selections from Dionysius of

Halicarnassus. *Three times a week (second half-year).* 37
F. H. PROFESSOR HEIDEL.

Courses XII. and XIII. are elective for those who have taken Courses V. and VI., or Course VII.

HEBREW.†

ELEMENTARY COURSE. Davidson's Grammar. The verbal and nominal forms and the elements of syntax are thoroughly mastered. Careful attention is given to the acquisition of a practical working vocabulary. Short sentences in Hebrew are read with every lesson, accompanied by exercises in Hebrew composition (*first half-year*). Kittel's Hebrew Bible. The Brown, Driver, and Briggs Hebrew Lexicon. Selections from Genesis. The Book of Ruth. Sight reading (*second half-year*). *Mon., Tu., Th., Fri., at 12.* Berkeley Divinity School. MR. VANDERBOGART.

GERMAN.

PROFESSOR FIFE; DR. CURTS.

I. ELEMENTARY GERMAN. Ham & Leonard's German Grammar; Nichol's Easy German Reader; Gerstäcker,—Germelshausen; Wilbrandt,—Jugendliebe; Seidel,—Aus goldenen Tagen; Wildenbruch,—Neid. Exercises in conversation and composition, based on the texts read and on an elementary manual. SECTION 1, *Mon., Wed., Fri., at 11*; SECTION 2, *Tu., Th., Sat., at 11.* F. H. DR. CURTS. (X.)

Candidates for the degree of B. S. are required to complete the equivalent of I. and II. German, as well as I. and II. French. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. INTERMEDIATE GERMAN. Heine,—Harzreise; Schiller,—Maria Stuart, Wilhelm Tell; Rosegger,—Waldschulmeister; Keller,—Romeo und Julia auf dem Dorfe; Sybel,—Die Erhebung Europas. A part of this reading is done at sight. One

† Students may receive credit for work in this department pursued at the Berkeley Divinity School.

hour a week throughout the year is devoted to a review of elementary grammar, with paraphrases and prose composition. A considerable part of the class exercises are conducted in German. Text-books,—Bierwirth's Elements of German, and a manual of prose composition. SECTION 1 (Sophomores), *Tu., Th., Sat., at 8.* PROFESSOR FIFE. SECTION 2 (Freshmen), *Mon., Wed., Fri., at 12.* DR. CURTS. 11 F. H. (VII.)

Course II. is elective for those who have taken Course I.

* III. GERMAN DAILY LIFE AND INSTITUTIONS. The aim of this course is to train the student in familiar and colloquial German in speech and writing, at the same time introducing him to some of the more familiar German public and private institutions. Practice in conversation and composition based on Bacon's *Im Vaterland* and followed by R. Kron's *German Daily Life*, and the reading of a brief history of Germany. Lectures and pictures illustrating German life and institutions. All class exercises are conducted in German. *Tu., Th., at 12.* 39 F. H. PROFESSOR FIFE. (XI.)

Course III. is elective, with the permission of the instructor, for those who have taken Courses I. and II.

IV. THE CLASSICAL PERIOD. Lessing, Goethe, and Schiller are taken up in the order named, and a brief study is made of the life of each, based on lectures, accompanied by parallel readings from their works. Regular written themes form a part of the course. During the year 1911-12 the following are read in class: Lessing,—*Emilia Galotti*; Goethe,—*Egmont*, *Faust I*, *Lyrics*; Schiller,—*Wallenstein* (all parts). *Tu., Th., Sat., at 9.* 39 F. H. PROFESSOR FIFE. (VIII.)

Course IV. is elective for those who have taken Courses I. and II.

[V.¹ NINETEENTH CENTURY DRAMA. Rapid readings from dramatic masterpieces by Kleist, Grillparzer, Hebbel, Hauptmann, and Sudermann, with lectures on the development of the German drama in the nineteenth century, and written themes. *Three times a week (first half-year).* DR. CURTS.]

VI.¹ THE GERMAN NOVELLE. The development of this peculiarly German form of narrative literature is traced

from the Romantic period through the nineteenth century. Rapid readings from E. T. A. Hoffmann, Eichendorff, Mörike, Keller, Storm, Heyse, K. F. Meyer, and Rosegger. A part of this reading is done outside of class and is made the subject of written themes. *Mon., Wed., Fri., at 3 (first half-year).* 39 F. H. DR. CURTS. (VI.)

[VII.² HEINRICH HEINE. A study of the poet's life and works, with rapid readings from his lyrics and prose. A part of this reading is done as collateral, with written themes. *Three times a week (second half-year).* DR. CURTS.]

VIII.² HISTORICAL AND CRITICAL PROSE. Rapid readings in contemporary German historians and essayists. The course is designed as a further introduction to German culture, as well as an aid to those who desire greater proficiency in reading contemporary German prose. *Mon., Wed., Fri., at 3 (second half-year).* 39 F. H. DR. CURTS. (VI.)

Courses V., VI., VII., and VIII., each of which is given in alternate years only, are elective for those who have taken Courses I. and II. Courses V. and VII. are omitted the present year.

[*IX.¹ GERMAN PROSE COMPOSITION AND ADVANCED GRAMMAR. This course begins with an intensive review of the elementary phonology and forms of the language, followed by a study of German syntax, and an introduction to historical grammar. Regular class exercises in German prose composition, supplemented by original themes. This course is intended especially for those preparing to teach German. *Twice a week (first half-year).* PROFESSOR FIFE.]

Course IX. is elective, with the permission of the instructor, for those who have taken Courses I.-III. It is omitted the present year.

X.² HISTORY OF GERMAN LITERATURE, I. From the earliest beginnings to the end of the sixteenth century. A course of lectures, supplemented by parallel readings from Collitz's *Early German Literature* and by themes. All

lectures and class exercises are conducted in German. *Mon., Wed., Fri., at 9 (second half-year).* 39 F. H. PROFESSOR FIFE. (II.)

[XI.² HISTORY OF GERMAN LITERATURE, II. From the beginning of the seventeenth century to the present time. A course of lectures, supplemented by parallel readings from an anthology and by themes. All lectures and class exercises are conducted in German. *Three times a week (second half-year).* PROFESSOR FIFE.]

Courses X. and XI., which are given in alternate years, are elective for those who have taken Courses I. and II., and who take, or have taken, Course III. Course XI. is omitted the present year.

XII.¹ MIDDLE HIGH GERMAN. The course is a brief introduction to the early classical period, and is literary rather than linguistic in its aims. Wright's Middle High German Primer. Readings from Hartmann von Aue's *Der arme Heinrich*, the *Nibelungenlied* (Bartsch's edition), and Walther von der Vogelweide (Zarncke's edition). *Mon., Wed., at 9 (first half-year).* 39 F. H. PROFESSOR FIFE. (II.)

Course XII. is elective for those who have taken Courses I.-III., or their equivalent.

GRADUATE INSTRUCTION.

Courses IX.-XII. are intended as an introduction to graduate work, and may, with additional requirements, be taken as graduate courses. Further graduate instruction may be arranged for through private conference.

ROMANCE LANGUAGES.

PROFESSOR KUHN; MR. MANN.

I. FRENCH. Fraser and Squair's French Grammar, Part I. Kuhns's French Reading for Beginners. Erckmann-Chatrian, —*Madame Thérèse*; About, —*Le Roi des Montagnes*. Part of this reading is done at sight. There is also personal drill in pronunciation. SECTION 1, *Mon., Wed., Fri., at 10.* 11 F. H. SECTION 2, *Tu., Th., Sat., at 11.* 14 F. H. MR. MANN. (III.)

Candidates for the degree of B. S. must complete the equivalent of Courses I. and II. in French, as well as I. and II. in German. Such of these courses as they have not pursued and passed in before entering college, they must take as soon as practicable after entering.

II. FRENCH. Fraser and Squair's French Grammar, Part II. This course has for its main object the study of advanced grammar and composition, in connection with the reading of a large amount of French. Special attention is paid to sight-reading in class, and for each half-year collateral reading is given to be prepared by the student himself for examination. On Tuesdays Duval's *Histoire de la Littérature Française* is read and is supplemented by informal lectures. SECTION 1, *Tu., Th., Sat., at 8.* 14 F. H. SECTION 2, *Tu., at 8; Th., Sat., at 9.* 14 F. H. PROFESSOR KUHN and MR. MANN. (VII.)

Course II. is elective for those who have taken Course I.

*III. FRENCH CONVERSATION. The object of this course is to give practice in writing, speaking, and hearing French. During the year several informal lectures on travel in Europe are given in French. These lectures are illustrated by lantern slides. *Mon., at 8.* 39 F. H. PROFESSOR KUHN. (I.)

Course III. is elective, with the permission of the instructor, for those who take, or have taken, Course II.

*IV. FRENCH. French literature in the seventeenth, eighteenth, and nineteenth centuries. The masterpieces of Corneille, Racine, Molière, Boileau, La Fontaine, Rousseau, Chateaubriand, Lamartine, Alfred de Musset, Victor Hugo, Balzac, and others are read and discussed in French, but not translated. Frequent lectures are given by the instructor on the general state of literature in France in the seventeenth, eighteenth, and nineteenth centuries. At each recitation translation from English into French is made. In addition, each member of the class must make, twice during the year, a more extensive study of some one particular writer. This course is largely conducted in French. *Tu., Th., at 10.* 39 F. H. PROFESSOR KUHN. (IX.)

Course IV. is elective, with the permission of the instructor, for those who take, or have taken, Course III.

V. OLD FRENCH. The work for 1911-12 consists in the translation of Old French texts, and the study of Old French literature, with special reference to its influence on the literatures of the other nations of Western Europe. Lectures, collateral readings, and reports will form part of the work. *Mon., at 10.* 39 F. H. PROFESSOR KUHN. (III.)

Course V. is elective for those who have taken Courses I.-IV.

*VI. FRENCH. This course is especially designed to meet the needs of those who intend to teach French. It will include the study of grammar and composition, phonetics of French pronunciation, methods of teaching, bibliography, and other appropriate topics. This course is conducted in French. *Mon., at 3.* 37 F. H. PROFESSOR KUHN. (VI.)

Course VI. is elective, with the permission of the instructor, for those who have taken Courses I.-IV.

VII. ELEMENTARY ITALIAN. Marinoni's Italian Grammar. De Amicis,—Cuore; Manzoni's I Promessi Sposi. In addition to the regular work by the class in translating modern prose, the instructor translates and interprets to the class the Inferno and the Purgatorio of Dante, a portion of each recitation being devoted to this exercise. As a preparation for this part of the work, the class is required to read Gardner's Dante (in Temple Primers). *Wed., Fri., at 10.* 39 F. H. PROFESSOR KUHN. (III.)

Course VII. is elective for Sophomores who have taken I. French.

[VIII. ADVANCED ITALIAN. Dante, Petrarch, Tasso, Ariosto. Lectures on the history of Italian literature. *Twice a week.* PROFESSOR KUHN.]

Course VIII. is elective for those who have taken Course VII. It is omitted the present year.

IX. DANTE IN ENGLISH. The New Life and the Divine Comedy are read in English translations. The instructor interprets these books in the light of the history, science, theology, and philosophy of the Middle Ages, comparing Dante with

Homer, Shakespeare, and other world-poets, and showing his influence on modern thought, art, and literature. *Th., at 8.*
 39 F. H. PROFESSOR KUHN. (VII.)

Course IX. is elective for Juniors.

[X. ELEMENTARY SPANISH. Grammar, and reading of simple Spanish prose. *Twice a week.*]

Course X. is elective for Sophomores who have taken I. French. It is omitted the present year.

XI. ADVANCED SPANISH. A course in Spanish literature, with especial emphasis on the chief writers. *Mon., Fri., at 3.*
 11 F. H. MR. MANN. (VI.)

Course XI. is elective for those who have taken Course X.

GRADUATE INSTRUCTION.

Course V. is designed for graduate students, but is elective for undergraduates.

ENGLISH LITERATURE.

PROFESSOR WINCHESTER.

I. GENERAL INTRODUCTION TO ENGLISH LITERATURE. An outline of the history of the literature, with class-room reading and discussion of representative works illustrative of different varieties and periods of English Literature. Moody and Lovett's History of English Literature is used as a text-book, with Cunliffe, Pyre and Young's Century Readings for a Course in English Literature. *Mon., Wed., at 12.* 14 F. H. (V.)

Course I. is elective for Sophomores.

[II. SIX PLAYS OF SHAKESPEARE. *Three times a week.*]

[III. ENGLISH LITERATURE OF THE VICTORIAN PERIOD. Carlyle, Ruskin, Arnold, Tennyson, Browning. *Three times a week.*]

IV. ENGLISH POETRY, 1789-1832. Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. *Mon., Wed., Fri., at 9.* 14 F. H. (II.)

Courses II., III., and IV. are elective for those who have taken Course I. Courses II. and III. are omitted the present year.

[* V. NEW ENGLAND LITERATURE, 1835-1885. Emerson, Longfellow, Lowell, Hawthorne, Whittier, Holmes. *Twice a week.*]

[* VI. LITERATURE OF THE PERIOD OF QUEEN ANNE. Defoe, Steele, Addison, Swift, Bolingbroke, Pope. *Twice a week.*]

* VII. ESSAYISTS AND REVIEWERS OF THE EARLY NINETEENTH CENTURY. Jeffrey, Hazlitt, De Quincey, Lamb, Wilson, Hunt. *Mon., Wed., at 11. 23 F. H.* (IV.)

Courses V., VI., and VII. are elective, with the permission of the instructor, for those who have taken Course I., either Course II., Course III., or Course IV., and Course VIII. Courses V. and VI. are omitted the present year; and by special arrangement, for this year only, the subjects of Course III. are substituted for those of Course VII.

VIII. ELEMENTS OF LITERARY CRITICISM. Discussion of the essential elements and the various forms of literature, with practical exercises in the application of critical principles. Winchester's Principles of Literary Criticism is used as a textbook. *Fri., at 11. 14 F. H.* (IV.)

Course VIII. is elective for those who have taken Course I.

A course in Public Speaking, elective for Seniors, is given under the direction of Mr. Wetzel and Professor Winchester. (See page 66.)

GRADUATE INSTRUCTION.

Special provision for graduate instruction is made to meet the wants of individual students.

ENGLISH LANGUAGE.

PROFESSOR MEAD; MESSRS. GILLET AND SHERBURN.

I. ENGLISH COMPOSITION. A. Rhetoric. Espenshade's Composition and Rhetoric; Woolley's Handbook of Composition. The members of the class are required to write numerous exercises and brief themes illustrating and applying the principles laid down in the text-books. These exercises and themes are discussed and criticised in the class-room, and also at hours appointed by the instructor.

B. Reading. A book of exemplary and illustrative readings to be studied in class and to furnish models of practice in the various types of writing. The members of the class are also required to write essays on a number of longer complete works of literature read outside of class. SECTION 1, *Tu., Th., at 10.* 29 F. H. SECTION 2, *Tu., Th., at 11.* 12 F. H. SECTION 3, *Wed., Fri., at 8.* SECTION 4, *Wed., Fri., at 10.* 29 F. H. MESSRS. GILLET and SHERBURN. (X.)

Course I. is required of Freshmen. It counts as *three hours* a week for the year.

II. ENGLISH COMPOSITION. Sophomores are required to write six essays during the year on subjects approved by the instructor. All the written work receives the personal attention of the instructor, and appointments for individual criticism are made for each member of the class. All essays are required to conform in details to the precepts laid down in Woolley's Handbook of Composition. PROFESSOR MEAD.

The essays of Sophomore year are rated as the equivalent of one hour's work per week for the year; this hour is included in the minimum quota (15) prescribed for the year.

[III. THE ENGLISH ESSAY. A course in the development and types of the essay in English from both the literary and the rhetorical points of view. Bronson's English Essays, supplemented by lectures, class-room discussions, written reports on assigned collateral reading, and occasional essays modeled, so far as is practicable, after the forms and styles studied. *Twice a week.* MR. GILLET.]

Course III. is elective for Juniors, and for Sophomores with the permission of the instructor. It is omitted the present year.

IV. ADVANCED ENGLISH COMPOSITION. A study of various types of composition, with constant practice in theme-writing. The written work is criticised in the class-room, and also at hours appointed by the instructor for personal conference. *Mon. at 3 (counting as twice a week).* 29 F. H. PROFESSOR MEAD. (VI.)

Course IV. is elective for Juniors.

[V. OLD ENGLISH (Anglo-Saxon). This course is fundamental to the study of the English language and Early English literature. The principal reading at the outset is in the Gospel of St. John. The grammar is drawn from Bright's Anglo-Saxon Reader, with copious illustrations and explanations based upon the texts read. In the second half-year the reading is mainly in Old English poetry and in prose illustrating important periods of Old English history. A lecture once a week, with a reading of Skeat's Primer of English Etymology, explains in detail the relations of the Old English language to modern English. *Twice a week.* PROFESSOR MEAD.]

Course V. is elective for Juniors, and, with the permission of the instructor, for Sophomores. It is omitted the present year.

VI. THE AGE OF CHAUCER. A study of fourteenth century literary and social life as reflected in Chaucer's Canterbury Tales, Piers the Plowman, and the verse romances. Lectures discussing typical aspects of social, religious, industrial, and court life, with assigned readings, and class discussions. *Wed., Fri., at 12.* 29 F. H. PROFESSOR MEAD. (V.)

Course VI. is elective for Juniors.

VII. HISTORY OF THE ENGLISH LANGUAGE. The aim of this course is to show in lectures and class discussions how English life and culture are illustrated by changes in the meaning of words since the Norman Conquest. Special attention is given to the formation of a working English vocabulary.

As far as possible the work is brought into connection with the study of literature. The collateral work involves the use of various books of reference, and in particular of Krapp's Modern English, Trench's English Past and Present, and Skeat's Concise Etymological Dictionary. *Tu., Th., at 11.* 29 F. H. PROFESSOR MEAD. (X.)

Course VII. is elective for Juniors.

VIII. ARTHURIAN ROMANCES. The sources and history of the Arthurian Romances. Class readings in some of the better known forms of Arthurian story, such as Tennyson's Idylls of the King, Swinburne's Tale of Balen, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. The social conditions out of which the romances grew will receive special attention. *Wed., 2-4.* 29 F. H. PROFESSOR MEAD. (VI.)

Course VIII. is elective for Juniors.

[IX. ENGLISH FICTION. The historical development of the novel, with a brief introductory study of the theory of narrative composition. Perry,—A Study of Prose Fiction; Cross,—Development of the English Novel. Lectures, assigned readings, class papers, and discussions. PROFESSOR MEAD.]

Course IX. is elective for Juniors. It is omitted the present year.

PUBLIC SPEAKING.

MR. WETZEL.

PUBLIC SPEAKING. Instruction in the course in public speaking is given in three sections, one for each of the three upper classes. The courses are so arranged as to give the student a systematic and progressive course of training in the art of oral expression and delivery. Special training is provided for those who enter the various contests in public speaking.

A. SOPHOMORES. Special attention is given to vocal training, articulation, and pronunciation. This course includes systematic practice in oral expression and delivery, with special

reference to the principles of gesture and to the fundamental characteristics of expression, viz.: pause, touch, pitch, inflection, movement, and tone-color. *Sat., at 9.* 13 F. H.

B. JUNIORS. Oral and gestural expression of selections from Browning and Shakespeare, with special reference to the theory and art of vocal interpretation and the development of the dramatic instinct (*first half-year*). The study of forensic oratory, with systematic practice in debate (*second half-year*). *Sat., at 10.* 13 F. H.

C. SENIORS. A course in the composition and delivery of the different forms of public address. The student is required to deliver one original speech before the class each month. These are criticised by Professor Winchester before being delivered. *Sat., at 11.* 13 F. H.

These courses meet once a week for twenty weeks. Courses A and B count half-an-hour, Course C one hour, for the year.

HISTORY.

PROFESSOR DUTCHER; DR. BLAIR.

I. ENGLISH HISTORY. The History of England from the earliest times to the present day. Tout's Advanced History of Great Britain is used as the text-book, and there is required, in addition, the reading of Wakeman's Introduction to the History of the Church of England, Cheyney's Introduction to the Industrial and Social History of England, Montague's Elements of English Constitutional History, and a few selections from Adams and Stephens's Select Documents of English Constitutional History. Lectures and written recitations. *Mon., Wed., Fri., at 8.* 15 F. H. PROFESSOR DUTCHER. (I.)

Course I. is elective for Freshmen who have credit for one unit in history on admission. This course is the only one in the second required group of studies (see p. 96) open to Freshmen. Owing to its elementary character this course should be elected not later than the Sophomore year. Course I. is prerequisite to the advanced courses in history, with the exception that Courses II. and III. may be elected by students who have taken Course I. in economics.

Students electing history as their major study must take Course I. not later than the Sophomore year. Students may then elect to make their major work in either American or European history, and must complete the minimum of nine hours required for a major in this department by taking either Courses II. and III., or Courses IV. and V.

II. AMERICAN COLONIAL HISTORY, 1492-1789. Channing's History of the United States, Hart's Formation of the Union, MacDonald's Select Charters. Lectures, written recitations, and essays. *Mon., Wed., Fri., at 10.* 15 F. H. PROFESSOR DUTCHER and DR. BLAIR. (III.)

Course II. is elective for those who have taken Course I. in history or Course I. in economics.

[III. UNITED STATES HISTORY, 1789-1865. Hart's Formation of the Union, Wilson's Division and Reunion, MacDonald's Select Documents of United States History. Lectures, written recitations, and essays. *Three times a week.* PROFESSOR DUTCHER.]

Course III. is elective for those who have taken Course I. in history, or Course I. in economics. Courses II. and III. are given in alternate years, Course III. being omitted the present year.

[IV. EUROPEAN HISTORY, 300-1600. Hassall's Periods of European History, vols. 1-4. Lectures, written recitations, and essays. *Three times a week.* PROFESSOR DUTCHER.]

Course IV. is elective for those who have taken any one of Courses I., II., and III.

V. EUROPEAN HISTORY, 1600-1890. Stephens's Syllabus of Modern European History, and Hassall's Periods of European History, vols. 5-8. Lectures, written recitations, and essays. *Mon., Wed., Fri., at 12.* 15 F. H. PROFESSOR DUTCHER and DR. BLAIR. (V.)

Course V. is elective for those who have taken any one of Courses I., II., and III. Courses IV. and V. are given in alternate years, Course IV. being omitted the present year.

An ability to read historical works in either French or German is highly desirable for those electing Courses IV. and V.

*VI. HISTORY SEMINARY. Subject for the year 1911-12: The history of the United States during the period of reconstruction (beginning in March, 1873). This course is intended to afford training in historical method. Topics for individual research and report are regularly assigned, and the work of the student is subject to the constant supervision and criticism of the instructor. At the close of the year, each student is required, as a test of his ability to do historical research and to present his results in a correct and lucid manner, to prepare an essay or thesis of considerable length upon some topic studied in the course. *Wed., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H. PROFESSOR DUTCHER.

Course VI. is elective, with the permission of the instructor, for Seniors who have shown, in earlier courses in the department, ability to do advanced work in history.

ANCIENT HISTORY. In lieu of any regular course in ancient history, students are referred to certain courses offered by the departments of Latin and Greek, which will in considerable measure meet the deficiency. In addition to the various courses in which historical texts and materials are read, there are the following courses devoted primarily to the study of the life, institutions, and culture of the Greeks and Romans: VIII. Latin (Roman Literature), XVI. Latin (Roman Private Life and Social Institutions), XIX. Latin (Roman Topography and Public Buildings), IV. Greek (History of Greek Literature), and X. Greek (Greek and Roman Mythology); but XX. Latin (Roman Political Institutions and Law) and XI. Greek (Greek Civilization) are especially recommended.

ECONOMICS AND SOCIAL SCIENCE.

PROFESSOR FISHER; DR. BLAIR.

I. PRINCIPLES OF ECONOMIC SCIENCE. General introductory course. Recitations and discussions. *Tu., Th., at 9.* 15 F. H. PROFESSOR FISHER. (VIII.)

Course I. is elective for Juniors; with the permission of the instructor, it may be taken by Sophomores.

[II. **ADVANCED ECONOMICS.** This course includes a brief historical view, on the basis of Haney's History of Economic Thought, and critical studies of the theory of value, with special reference to money, wages, and international trade. *Twice a week.* PROFESSOR FISHER.]

Course II. is elective for those who have taken Course I. It is given in alternate years with Course III., and is omitted the present year.

III. **PUBLIC FINANCE.** The economy of the state:—revenues from taxation, from government industries, and from other sources; the contraction, administration, conversion, and liquidation of public debts; government expenditures, their social and industrial effects. The work of this course is based on Adams's Science of Finance; a number of lectures are also given, and references are made to standard authorities. *Mon., Wed., at 11.* 15 F. H. PROFESSOR FISHER. (IV.)

Course III. is elective for those who have taken Course I. It is given in alternate years with Course II., and will be omitted in 1912-13.

IV. This course consists of three parts. 1. **MONEY AND BANKING.** A course on the general principles and history of monetary and banking institutions, on the social and industrial aspects of the present monetary situation, and on the various schemes for reform. 2. **THE TRUST PROBLEM.** A discussion of industrial combinations, their causes, methods, and effects, and the means of social control. 3. **THE TARIFF.** A study of the theory of protective customs duties and of the history of tariffs in America. *Tu., Th., at 11.* 15 F. H. PROFESSOR FISHER and DR. BLAIR. (X.)

Course IV. is elective for those who have taken Course I. It is given in alternate years with Course V., and will be omitted in 1912-13.

[V. **THE GENERAL LABOR PROBLEM.** A course of lectures on the nature, causes, and justification of the present social discontent, and on such suggested remedies as moral elevation, charity, education, provident institutions, labor organizations,

strikes, conciliation and arbitration, labor legislation, improved wage systems, profit-sharing, coöperation, nationalization of the land, socialism, communism, anarchism. *Twice a week.* PROFESSOR FISHER.]

Course V. is elective for those who have taken Course I. It is given in alternate years with Course IV., and is omitted the present year.

[VI. SOCIOLOGY. A discussion of the principles of social organization and the conditions and forms of social progress, with an examination of the sociological functions of the fundamental institutions of the family, the state, property, and religion. *Twice a week.* PROFESSOR FISHER.]

Course VI. is elective for those who have taken, or are taking, Course I. It is given in alternate years with Course VII., and is omitted the present year.

VII. SOCIAL SCIENCE. An examination of certain concrete social problems of the present:—pauperism and charity; the defective and criminal classes. The class-room work is supplemented by visits to several of the charitable, penal, and reformatory institutions in and about Middletown. *Tu., Th., at 12.* 15 F. H. PROFESSOR FISHER. (XI.)

Course VII. is elective for those who take, or have taken, Course I. It is given in alternate years with Course VI., and will be omitted in 1912-13.

*VIII. ECONOMICS SEMINARY. Each member of the seminary takes for private individual investigation, under the direction of the instructor, some problem in economics, finance, statistics, or social science, and week by week reports in class on progress made and obstacles met. At the close of the year the work is brought together in a final report or thesis. The work for the present year is related to the problem of industrial monopoly. *Mon., 7-10 p. m. (first and second terms), counting as two hours for the year.* 10 F. H. PROFESSOR FISHER.

Course VIII. is elective, with the permission of the instructor, for those who, having received first or second grade in Course I., take any two of Courses III.-VII.

GRADUATE INSTRUCTION.

Course VIII. is intended primarily for graduate students, but is also open to such undergraduates as are making special studies in the department. Courses II.-VII., while intended primarily for undergraduates, may also be taken with advantage by graduates who have studied only the principles of economic science.

It will be noted that in each of the college classes certain courses cannot be taken at all except by such students as take Course I. in the Sophomore year. Hence a student in an odd-numbered class who wishes to take Courses III. and IV. must qualify himself to take them in his Junior year by taking Course I. in his Sophomore year; and similarly a student in an even-numbered class can take Courses II. and V. only by taking Course I. in his Sophomore year. It should be noted, however, that Course I. may be taken in the Sophomore year only with the permission of the instructor.

PHILOSOPHY.

* PROFESSORS ARMSTRONG AND DODGE.

I. ELEMENTARY COURSE. 1. LOGIC. Jevons-Hill's Elements of Logic. An elementary course in the fundamental forms of reasoned thinking, deductive and inductive alike. SECTION 1, *Mon., Fri., at 11.* SECTION 2, *Tu., Th., at 11 (first half-year).* 28 F. H. 2. PSYCHOLOGY. Lectures and recitations based on a text-book, and references to other standard authorities. *Mon., Wed., at 11 (second half-year).* 14 F. H. PROFESSORS ARMSTRONG AND DODGE. (IV.)

Course I. is elective for Sophomores. It is preparatory to all later work in the department, and it should therefore be taken in Sophomore year by all students who plan to elect their major studies in the department, or in Ethics and Religion.

II. PHYSIOLOGICAL AND EXPERIMENTAL PSYCHOLOGY. Lectures and class demonstrations, with collateral reading. The course opens with an account of the structure and operation of the nervous system, and the interrelation between mind and

* Professor Armstrong will be absent from January 1, 1912.

body. It includes experimental discussions of the elementary psycho-physical processes and of some of the more complex processes, as time and space, the geometrical illusions, language, motor organization, mental hygiene, instinct, habit, and reaction. *Tu., Th., at 8.* 22 F. H. PROFESSOR DODGE.

(VII.)

Course II. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year.

[III. ADVANCED PSYCHOLOGY. Lectures and reports by members of the class. Part I. A systematic general account of the emotions and the will. Part II. A more detailed account of special phenomena, including anger, fear, the tender emotions, sympathy, the æsthetic emotions, the religious emotions, emotional prejudice, the motor value of ideas, suggestion and hypnotism, compulsive ideas, etc. *Twice a week.* PROFESSOR DODGE.]

Course III. is elective for those who have taken Course I. It is omitted the present year.

IV. EDUCATIONAL PSYCHOLOGY. Lectures, reports, and required readings, constituting a systematic discussion of the laws of mental development and the psychological basis of educational theory and practice. In conjunction with Course I. in philosophy, this course is planned to meet the requirements in educational psychology of those states and cities which demand the professional training of teachers, but it is also intended to serve the needs of those whose interest in the psychological problems of education is non-professional. *Tu., Th., at 10.* 28 F. H. PROFESSOR DODGE. (IX.)

Course IV. is elective for those who have taken Course I.

*V. LABORATORY COURSE IN PSYCHOLOGY. Experimental study of special problems. SECTION 1, *Tu., 2-4*; SECTION 2, *Th., 2-4.* 22 F. H. PROFESSOR DODGE.

Course V. is elective, with the permission of the instructor, for those who have taken Course II. It counts as *one* hour a week for the year.

[VI.¹ ADVANCED LOGIC. Hibben's Inductive Logic. A systematic discussion of the origin, the forms; and the limitations

of inductive method, with special reference to the estimation of evidence. Concrete cases of legal, historical, and scientific evidence will be analyzed and the practical limits of proof will be discussed. *Twice a week (first half-year)*. PROFESSOR DODGE.]

Course VI. is elective for those who have taken Course I. It is omitted the present year.

[VII.¹ INTRODUCTION TO PHILOSOPHY. Lectures and recitations, with references to the Introductions of Stucken-berg, Ladd, Külpe, and Paulsen. *Twice a week (first half-year)*. PROFESSOR ARMSTRONG.]

Course VII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year. It is omitted the present year.

[VIII.² ANCIENT AND MEDIAEVAL PHILOSOPHY. Zeller's Outlines of Greek Philosophy, with references to Schwegler, Zeller's larger work, and other authorities; lectures and discussions. *Twice a week (second half-year)*. PROFESSOR ARMSTRONG.]

Course VIII. is elective for those who have taken Course I., or who are taking it in their Junior or Senior year. It is omitted the present year.

IX.¹ MODERN PHILOSOPHY FROM THE RENAISSANCE TO KANT. Lectures, recitations, discussions, and references to standard histories of philosophy, with readings from the philosophical classics. *Mon., Wed., Fri., at 10 (first half-year)*. 24 F. H. PROFESSOR DODGE. (III.)

Course IX. is elective, under ordinary circumstances, for those who have taken Course VIII.

X.² MODERN PHILOSOPHY FROM KANT TO THE PRESENT TIME. Lectures, recitations, discussions, and references to standard histories of philosophy, with readings from the philosophical classics. *Wed., Fri., at 10 (second half-year)*. 24 F. H. PROFESSOR DODGE. (III.)

Course X. is elective for those who have taken Course IX.

[*XI. PHILOSOPHICAL SEMINARY. Readings in modern philosophy, with especial attention to selections from the classical writers. Reports and theses may be required. PROFESSOR ARMSTRONG.]

Course XI. is elective, with the permission of the instructor, for those who are taking Courses IX. and X. It is omitted the present year.

GRADUATE INSTRUCTION.

Courses III., V., and IX.-XI. are intended for undergraduates and graduates. Special courses for graduate students, under the direction of the instructors of the department, may be arranged in advanced experimental and theoretical psychology, historical philosophy, and metaphysics.

ETHICS AND RELIGION.

[I.² ETHICS. A course of lectures and recitations on theoretical and practical ethics. The course is introduced with a brief historical survey of ethical theory, and the lectures are supplemented by theses and collateral reading. Seth's Study of Ethical Principles is used as a text-book. *Twice a week (second half-year).*]

Course I. is elective for Seniors. It is omitted the present year.

[II.¹ EVIDENCES OF CHRISTIANITY. Recitations and lectures, Fisher's Grounds of Theistic and Christian Belief being used as a text-book. *Twice a week (first half-year).*]

Course II. is elective for Seniors. It is omitted the present year.

[*III.² THEISM. Instruction is given by lectures, supplemented by collateral readings and class discussions. The purpose of the course is to discover essential religious phenomena, to test the various historic theories offered in explanation of these phenomena, and to find a philosophic basis for faith. *Twice a week (second half-year).*]

Course III. is elective, with the permission of the instructor, for those who have taken Course IX. in philosophy. It is omitted the present year.

[IV.¹ ENGLISH BIBLE, NEW TESTAMENT. A study of St. Paul's letters. This course is chiefly a lecture course. It aims to give an account of Paul's conceptions of Christianity, in the light of contemporary thought, and of his religious experience. An analysis of the several letters studied is required. Text-book: *The Records and Letters of the Apostolic Age*, by Burton. *Twice a week (first half-year).*]

Course IV. is elective for Seniors. It is omitted the present year.

[V.² ENGLISH BIBLE, OLD TESTAMENT. The course begins with the eighth century B. C., and deals with the development of prophecy. It is a lecture course, and is supplemented by an analysis of the books studied, and by papers on assigned topics. *Twice a week (second half-year).*]

Course V. is elective for Seniors. It is omitted the present year.

[VI.³ RELATIONS OF SCIENCE AND RELIGION. Lectures and recitations on the history of important advances in scientific thought and their bearing upon theistic and Christian belief. The heliocentric astronomy, the antiquity of the earth and of man, the correlation of physical and vital forces, and the theory of evolution are among the topics discussed. *Rice's Christian Faith in an Age of Science* is used as a text-book. *Twice a week (second half-year).* PROFESSOR RICE.]

Course VI. is elective for Juniors. It is omitted the present year.

MATHEMATICS AND ASTRONOMY.

PROFESSOR VAN VLECK (*Emeritus*); ASSOCIATE PROFESSORS HOWLAND AND CAMP; DR. LAMOND.

I.¹ SOLID GEOMETRY. *Mon., Wed., Fri., at 9 (first half-year).* 25 and 26 O. H., and 12 F. H. PROFESSORS HOWLAND and CAMP, and DR. LAMOND. (II.)

Course I. is elective for Freshmen.

II. TRIGONOMETRY. *Tu., Th., Sat., at 9.* 25 and 26 O. H., and 12 F. H. PROFESSORS HOWLAND and CAMP, and DR. LAMOND. (VIII.)

Course II. is elective for Freshmen. It is given both half-years.

III.² ANALYTIC GEOMETRY. *Mon., Wed., Fri., at 9 (second half-year).* 25 and 26 O. H. PROFESSOR CAMP and DR. LAMOND. (II.)

Course III. is elective for those who have taken Course II.

In fulfilment of the requirements for the degree of B. S. a candidate must present on admission, or take in Freshman year, two of the following subjects:—solid geometry, trigonometry, analytic geometry. As a substitute for any one of them, except trigonometry, he may offer advanced algebra on admission.

IV. PLANE SURVEYING. The theory and use of chain, tape, compass, level, transit, and sextant. Surveying methods, problems, and computations, together with practical field and office work. *Tu., Th., at 8, and two hours of field or office work, four hours counting as three.* 26 O. H. DR. LAMOND. (VII.)

Course IV. is elective for those who have taken Course II.

V.¹ ALGEBRA. An elementary college course, including the following topics: mathematical induction, probability, series, undetermined coefficients, determinants, Horner's method, etc. *Mon., Wed., Fri., at 11 (first half-year).* 25 O. H. PROFESSOR CAMP. (IV.)

Course V. is elective for those who have taken Course III.

VI.² ANALYTIC GEOMETRY. Advanced course, beginning with a review of Course III., and extending into the subject of solid analytic geometry. *Mon., Wed., Fri., at 11 (second half-year).* 25 O. H. PROFESSOR HOWLAND. (IV.)

Course VI. is elective for those who have taken Course III.

Students are advised to take Courses V. and VI. the same year.

VII. DIFFERENTIAL AND INTEGRAL CALCULUS. Elementary course. *Mon., Wed., Fri., at 8.* 26 O. H. PROFESSOR HOWLAND. (I.)

Course VII. is elective for those who have taken Course III.

VIII. CALCULUS. In this course it is intended to give in the first half-year a more extended discussion of some of the subjects introduced in Course VII., and in the second half-year an introduction to the theory of differential equations, with applications to geometry, mechanics, and physics. *Mon., at 2; Wed., at 11; Sat., at 9.* 26 O. H. PROFESSOR HOWLAND.

Course VIII. is elective for those who have taken Course VII.

[IX.¹ THEORY OF ALGEBRAIC CURVES. An introductory course. *Three times a week.* PROFESSOR HOWLAND.]

[X.¹ HIGHER ALGEBRA. An introduction to the theory of algebraic forms. *Three times a week.* PROFESSOR HOWLAND.]

Courses IX. and X. are elective for those who have taken Courses V., VI., and VII. They are omitted the present year, but one of them will probably be given in 1912-13.

XI.² INFINITE SERIES. Convergence, uniform convergence, differentiation, and integration of series of functions of one variable; the use of series in computing; an introduction to the subject of Fourier's series, with applications to simple problems in the flow of heat and electricity. *Three times a week (second half-year), the hours to be determined hereafter.* 25 O. H. PROFESSOR CAMP.

Course XI. is elective for those who have taken Course VII., or who have taken Course V. and are taking Course VII.

[*XII.¹ REDUCTION OF OBSERVATIONS. This course deals with the general problem of obtaining from a set of observations the best possible result, and a measure of its reliability. It includes the following topics: interpolation by means of finite differences, probable error, and the method of least squares, with applications to simple problems in physics and astronomy. *Three times a week (first half-year).* PROFESSOR CAMP.]

Course XII. is elective, with the permission of the instructor, for those who have done some advanced work in the department. It is omitted the present year.

[XIII. MECHANICS. This course is intended partly for students of mathematics, and partly for scientific students who are preparing to study engineering or mathematical physics. Among the topics treated are: the simpler machines, stresses in frames, the suspension bridge, projectiles, central forces, moments of inertia, and the governor. *Three times a week.* PROFESSOR CAMP.]

Course XIII. is elective for those who have taken Course VII. It is omitted the present year.

XIV.¹ DESCRIPTIVE ASTRONOMY. Lectures and recitations. This course is designed to give such a knowledge of the subject as may properly constitute a part of a liberal education. Mathematical topics are eliminated as far as practicable. Opportunities of viewing the principal celestial objects through the telescope are given. Young's Elements of Astronomy is used as a text-book. *Tu., Th., Sat., at 10 (first half-year).* 25 O. H. PROFESSOR CAMP. (IX.)

Course XIV. is elective for those who have taken Course I.

XV.² PRACTICAL ASTRONOMY. The theory and use of the transit, zenith telescope, sextant, and equatorial. In this course some of the mathematical topics omitted in Course XIV. are considered, but most of the time is devoted to work in the observatory. *Tu., Th., Sat., at 10 (second half-year).* 25 O. H. PROFESSOR CAMP. (IX.)

Course XV. is elective for those who have taken Courses III. and XIV.

DESCRIPTIVE GEOMETRY AND MECHANICAL DRAWING. Lectures and recitations, based on text-books, together with practice in the draughting room. Problems in descriptive geometry are taken up relating to points, lines, planes, and surfaces, their intersections and developments, etc. The course includes also the care and use of drawing instruments,

mechanical drawing from objects, sketching, lettering, dimensioning, isometric projection, etc. *Mon., Wed., Fri., 10-12, counting as three hours for the year.* 40 S. L. DR. LAMOND.
(III.)

This course is elective for those who have taken Course I. in mathematics.

PHYSICS.

PROFESSORS CRAWFORD AND CADY.

I. ELEMENTARY PHYSICS. A general course, conducted by lectures, with experimental illustrations, following a standard text-book. A two-hour laboratory period is substituted for the regular lecture about once a fortnight, the class being divided into sections for this purpose. *Mon., Wed., Fri., at 10.* 34 S. L. PROFESSORS CRAWFORD and CADY. (III.)

Course I. is elective for those who have taken, or are taking, Course II. in mathematics. Those who cannot take Course II. in mathematics till the second half-year must attend and pass in a brief course of lectures in trigonometry at the beginning of the fall term. Those who elect Course I. are advised also to elect Course I. A. Students who have received credit in physics on admission to college, but who elect to take Course I. in class, in order to be allowed to pursue the more advanced courses in the department, will receive credit for *two* hours on their quota toward graduation.

I.A. PROBLEMS IN PHYSICS. This course is supplementary to Course I., and is devoted chiefly to the solution of problems which illustrate the principles involved in that course. The problems are based partly upon data from experiments performed at the lecture table. *Sat., at 8.* 34 S. L. PROFESSORS CRAWFORD and CADY. (VII.)

Course I.A is elective for those who have taken, or are taking, Course I., and who have taken Course II. in mathematics.

II. ELEMENTARY PRACTICAL PHYSICS. This course is parallel with Course I., and may advantageously be taken with it. It is also required as an introduction to further laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th.,*

at 2 (two or three exercises a week). S. L. PROFESSORS CRAWFORD and CADY.

Course II. is elective for those who have taken, or are taking, Course I., or who have received credit in physics on admission.

N. B. Students who receive credit in physics on admission, but who do not take Course I., must give evidence by examination or otherwise of the requisite proficiency before being admitted to any of the following courses:—

III.¹ PROPERTIES OF MATTER; SOUND. Lectures, with experimental illustrations, following Poynting and Thomson's Sound, preceded by a short course of lectures on elasticity and surface tension. About ten two-hour periods of laboratory practice are substituted for the same number of lectures. *Mon., Wed., Fri., at 12 (first half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course III. is elective for those who have taken Course I.

IV.² LIGHT. Lectures, with experimental illustrations, on geometrical optics and the elements of the wave theory of light. Laboratory practice as in Course III. *Mon., Wed., Fri., at 12 (second half-year).* 34 S. L. PROFESSOR CRAWFORD. (V.)

Course IV. is elective for those who have taken Course I., and who have taken, or are taking, Course VII. in mathematics.

[V.¹ HEAT. A general course in the subject, omitting thermo-dynamics. Based on Poynting and Thomson's Heat, and including some laboratory practice. *Three times a week (first half-year).* PROFESSOR CRAWFORD.]

Course V. is elective for those who have taken Course I. It is omitted the present year.

[VI.² THERMO-DYNAMICS. A course of lectures, with special application to the steam engine, and involving some elementary exercises in engine-testing. *Three times a week (second half-year).* PROFESSOR CRAWFORD.]

Course VI. is elective for those who have taken Course V., and who have taken, or are taking, Course VII. in mathematics. It is omitted the present year.

VII. APPLICATIONS OF ELECTRICITY AND MAGNETISM. Lectures, laboratory work, and demonstrations, based largely upon a text-book. This course is an elementary treatment of the electric and magnetic phenomena in nature; magnetic properties of iron; production and measurement of direct and alternating currents; electrolysis and storage batteries; heat, light, and power; telegraphy and telephony; electric waves; Röntgen rays, radio-activity, and electro-therapy. *Tu., Th., Sat., at 10.* 34 S. L. PROFESSOR CADY. (IX.)

Course VII. is elective for those who have taken Course I.

VIII. EXPERIMENTAL ELECTRICITY. Laboratory practice in electricity and magnetism. Opportunity is afforded for some shop-work, and for practical experience in running an engine and dynamo. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course VIII. is elective for those who have taken Courses I. and II., and who have taken, or are taking, Course VII.

[IX. DYNAMOS, MOTORS, AND TRANSFORMERS. Text-book and lectures on the elements of direct and alternating current practice, with laboratory tests by the class. *Three times a week.* PROFESSOR CADY.]

Course IX. is elective for those who have taken Courses II. and VII., and who have taken, or are taking, Course VIII. It is advisable to take Course VII. in mathematics before electing this course. It alternates with Course X., and is omitted the present year.

X. ADVANCED ELECTRICITY. Text-book and lectures on the elementary mathematical theory of electricity and magnetism. In the second half-year the subject of electrical oscillations is especially considered, and the work is in part experimental. *Tu., Th., at 12; Sat., at 8.* 34 S. L. PROFESSOR CADY. (XI.)

Course X. is elective for those who have taken Course VII. in physics and Course VII. in mathematics.

XI. PRACTICAL PHYSICS. Careful measurements in mechanics, heat, sound, and light. Each exercise occupies $2\frac{1}{2}$

hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CRAWFORD.

Course XI. is elective for those who have taken Course II. In general, those electing it will be expected to have taken also one or more of Courses III.-VII.

XII. ADVANCED EXPERIMENTAL ELECTRICITY. Selected problems in electricity and magnetism, particularly in alternating currents, electrical oscillations, and discharge through gases. The course includes reading and lectures as well as experimental work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Wed., Th., at 2 (two or three exercises a week).* S. L. PROFESSOR CADY.

Course XII. is elective for those who have taken Course VIII. in physics and Course VII. in mathematics, and who have taken, or are taking, either Course IX. or Course X. in physics.

CHEMISTRY.

PROFESSOR BRADLEY; DR. RENSHAW; DR. HEATH.

I. ELEMENTARY CHEMISTRY. Lectures and laboratory practice. The first half-year is devoted to the non-metallic elements; the second half-year, chiefly to the more common metals. *Tu., Th., Sat., at 10.* 3 J. H. (Laboratory exercises: *Th., at 2; Th., at 4.* CHEM. LAB.) PROFESSOR BRADLEY. (IX.)

Course I. is elective for Freshmen. Students who receive credit in chemistry on admission to college may be admitted to the second half of the course and receive credit for it.

II.¹ QUALITATIVE ANALYSIS. A. Lectures on the chemical problems involved in the detection of the more common bases and acids. *Sat., at 11 (first half-year).* 3 J. H. PROFESSOR BRADLEY. B. Laboratory practice in basic and acid analysis. Each exercise occupies $2\frac{1}{2}$ hours. Those of Monday and Friday are required. *Mon., Fri., at 2, and a third assigned period (first half-year).* CHEM. LAB. PROFESSOR BRADLEY and DR. HEATH.

Course II. is elective for those who have taken Course I.

III.² ELEMENTARY QUANTITATIVE ANALYSIS. A laboratory course in gravimetric analysis, with lectures and class discussions. Each exercise occupies $2\frac{1}{2}$ hours. Those of Monday and Friday are required. *Mon., Fri., at 2, and a third assigned period (second half-year).* CHEM. LAB. DR. HEATH.

Course III. is elective for those who have taken Course II.

IV.¹ LIQUEFACTION OF GASES. Lectures, with experimental demonstrations, upon the history and theory of the liquefaction of gases, and upon some of the more important results of work at low temperatures. *Wed., Fri., at 10 (first half-year).* 3 J. H. PROFESSOR BRADLEY. (III.)

Course IV. is elective for those who have taken Course I.

*V. ADVANCED QUANTITATIVE ANALYSIS. A laboratory course in the principles of quantitative analysis, as illustrated by selected gravimetric, volumetric, colorimetric, electrochemical and gasometric methods, with lectures and class discussions. Written reports are required covering the theory involved. For those who elect this course for four periods it includes the analysis and examination of such material as sugar, milk, butter, cereals; salad, illuminating and lubricating oils; soap, paint, asphalt; water for industrial purposes. Each exercise occupies $2\frac{1}{2}$ hours. Those of Monday and Friday are required. *Mon., Fri., at 2, and one, or two, other assigned periods.* CHEM. LAB. DR. HEATH.

Course V. is elective for three periods, with the permission of the instructor, for those who have taken Course III. It is elective for four periods for those who have taken Courses III. and VII.

VI. ORGANIC CHEMISTRY. Lectures upon the principles of organic chemistry, including a consideration of many organic compounds of importance in the arts and sciences and in living organisms. *Mon., Wed., Fri., at 11.* 3 J. H. DR. RENSHAW. (IV.)

Course VI. is elective for those who have taken Course II. Course VII. should be elected, if possible, in the same year with Course VI.

VII. ORGANIC CHEMISTRY. A laboratory course devoted to the study of typical reactions of organic chemistry, and to the preparation of carbon compounds, including flavoring principles, drugs, perfumes, dye stuffs, etc. Each exercise is required, and occupies $2\frac{1}{2}$ hours. Lectures are given on Mondays at 2. *Mon., at 2, and two other assigned periods.* CHEM. LAB. DR. RENSHAW.

Course VII. is elective for those who have taken, or are taking, Course VI. With the permission of the instructor, it may be elected for two periods a week.

VIII. PHYSICAL CHEMISTRY. A lecture course devoted to a systematic treatment of modern chemical theory. The effect of the variables, heat, light, pressure, and electricity, on chemical reactions is studied in detail. Special attention is given to the mass law and the phase rule. *Tu., Th., at 12, and a third hour, to be determined hereafter.* 3 J. H. DR. HEATH. (XI.)

Course VIII. is elective for those who have taken, or are taking, Courses V. and VI.

IX. INDUSTRIAL CHEMISTRY. Lectures and collateral reading. The subjects discussed are: Food and drink,—milk products, cereals, starch, sugar, meat, tea, coffee, fermented and distilled liquors; preservation of food. Water and sewage. Clothing,—textile fabrics, bleaching, dyeing, calico printing. Paper, leather, glue, india-rubber. Oils, fats and soaps. Acids, alkalies and salts. Glass and ceramics. Cement, mortar and building material. Fuels,—gas and coke. Petroleum, asphalt and wood products. Preservation of wood, paints and varnishes. Pharmaceutical preparations and perfumes. *Mon., Wed., at 9.* 3 J. H. DR. RENSHAW. (II.)

Course IX. is elective for those who have taken, or are taking, Course VI.

X.² ELECTRO-CHEMISTRY. Lectures. A description of electric processes for the preparation of compounds; electro-thermal and electrolytic extraction and refining of metals; electro-plating; the theories of electrolysis and electrolytic dissociation. *Wed., Fri., at 12 (second half-year).* 3 J. H. DR. HEATH. (V.)

Course X. is elective for those who have taken Course II.

*XI.² APPLIED ELECTRO-CHEMISTRY. A laboratory course devoted to the study of the phenomena of electrolysis; measurement of electrical constants; determination of current and energy efficiencies in electrolytic work; study of commercial methods of electrolytic plating and refining of metals, and the electro-chemical preparation of pigments and of organic and inorganic compounds in general. Each exercise occupies 2½ hours. *Two exercises a week, the hours to be determined hereafter (second half-year).* CHEM. LAB. DR. HEATH.

Course XI. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses V. and X. in chemistry and Course VII. in physics.

XII.² PHYSIOLOGICAL CHEMISTRY. The chemistry of foods, digestion, assimilation, metabolism, respiration, and the excretions. *Twice a week (second half-year), the hours to be determined hereafter.* 3 J. H. DR. RENSHAW.

Course XII. is elective for those who have taken Course VI.

XIII.² PHYSIOLOGICAL CHEMISTRY. A laboratory course, devoted to the experimental study of the chemistry of animal tissues and organs, of foods and digestion, and of milk, urine, blood, etc. Each exercise occupies 2½ hours. *Mon., at 2, and two other assigned periods (second half-year).* CHEM. LAB. DR. RENSHAW.

Course XIII. is elective for those who have taken Course III., and who have taken, or are taking, Course XII.

XIV. THEORETICAL CHEMISTRY. Lectures upon the origin, development, and present status of the theory of the molecule and the atom. Attention is given to the corpuscular theory of atomic composition, and to the transformations of radio-active elements. *Mon., Wed., at 12.* 1 J. H. PROFESSOR BRADLEY. (V.)

Course XIV. is elective for those who have taken Courses III. and VI.

*XV. CHEMISTRY SEMINARY. Readings in current literature, with reports and discussions upon assigned topics. *Wed., at 11; Fri., at 12.* 1 J. H. PROFESSOR BRADLEY.

Course XV. is elective, with the permission of the instructor, for those who have taken, or are taking, Courses VI., VIII., and XIV.

GRADUATE INSTRUCTION.

Course XV., although elective for undergraduates, is designed chiefly for graduates.

In addition, the following course is offered:

XVI. LOW TEMPERATURE INVESTIGATION. Inquiry into special problems connected with the attainment and utilization of low temperatures. Facilities for this work are afforded by the liquid-air plant. PROFESSOR BRADLEY.

Course XVI. may also be taken by undergraduates who are candidates for special honors in chemistry at graduation.

GEOLOGY.

* PROFESSOR RICE; MR. BARROWS.

I.² PHYSICAL GEOGRAPHY. Recitations and lectures, with Salisbury's Physiography for High Schools as a text-book. SECTION 1, *Tu., Th., at 2*; SECTION 2, *Tu., Th., at 3 (second half-year)*. 8 J. H. MR. BARROWS. (XII.)

Course I. is elective for Freshmen.

[II. GEOLOGY. Elementary course. A course of lectures, chiefly on dynamical and structural geology. *Twice a week*. PROFESSOR RICE.]

Course II. is elective for those who have taken I. Physics and I. Chemistry, and for others with permission of the instructor.

[III.¹ GEOLOGY. Advanced course in structural and dynamical geology. Recitations and lectures. Excursions on Saturdays during the fall. *Three times a week (first half-year), counting as four hours a week*. PROFESSOR RICE.]

Course III. is elective for those who have taken Course II. It is desirable that those who take this course should also have taken the course in physical geography.

* On leave of absence, 1911-12.

[IV.² GEOLOGY. Historical geology and paleontology. Recitations and lectures. Excursions on Saturdays during the spring term (required only of those who take also Course III.). *Three times a week (second half-year), counting as four hours a week for those who take also Course III.* PROFESSOR RICE.]

Course IV. is elective for those who have taken Course II., and who take, or have taken, the courses in zoölogy and botany.

[V.¹ MINERALOGY. Crystallography and optical mineralogy. Lectures and practical exercises. *Three times a week (first half-year).* PROFESSOR RICE.]

Course V. is elective for those who have taken trigonometry, analytic geometry, solid geometry, I. Physics, and I. Chemistry.

[VI.² MINERALOGY. Determinative and descriptive mineralogy. Laboratory work in determinative mineralogy; lectures on descriptive mineralogy. *Three times a week (second half-year).* PROFESSOR RICE.]

Course VI. is elective for those who have taken Course V. It is very desirable that those who take this course should take, or have taken, qualitative analysis.

Courses II.-VI. are omitted the present year on account of the absence of Professor Rice.

GRADUATE INSTRUCTION.

Courses III., IV., V., and VI., although intended primarily for undergraduates, have often been taken by graduate students.

Additional work is provided for graduate students. This may include courses of reading in various branches of geological science, field work, or laboratory work.

BIOLOGY.

PROFESSORS CONN AND WHITNEY.

I.¹ GENERAL BIOLOGY. An introduction to the study of botany, zoölogy, and physiology. Lectures and laboratory work. *Mon., Fri., 2-4 (first half-year), counting as one hour for the year* 8 J. H. PROFESSORS CONN and WHITNEY. (VI.)

II.² BOTANY. Recitations, lectures, and laboratory work. *Mon., Fri., 2-4 (second half-year), counting as one hour for the year.* 8 J. H. PROFESSOR CONN. (VI.)

Courses I. and II. are elective for Freshmen.

III. ZOÖLOGY. A study of the types of animals, including their embryology, and certain phases of comparative anatomy, by recitations and lectures. *Mon., Wed., Fri., at 9.* 8 J. H. PROFESSORS CONN and WHITNEY. (II.)

Course III. is elective for Sophomores.

IV. PHYSIOLOGY. The instruction is given chiefly by lectures, with daily written recitations. *Tu., Th., at 11.* 8 J. H. PROFESSOR CONN. (X.)

Course IV. is elective for Sophomores.

V. PRACTICAL BIOLOGY. A course consisting chiefly of laboratory work. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Sat., at 9, or Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSORS CONN and WHITNEY.

Course V. is elective for Juniors, and for Sophomores with the permission of the instructor.

VI. PRACTICAL BIOLOGY. An advanced course of laboratory work, in continuation of Course V. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Sat., at 9, or Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSORS CONN and WHITNEY.

Course VI. is elective for those who have taken Course V.

Courses V. and VI. are accompanied by frequent lectures and recitations. The outline of the courses is somewhat variable and is determined according to the purposes and needs of each student.

VII. PRACTICAL BIOLOGY. A course in laboratory work in continuation of Course VI. The outline of the course is variable and is adapted to the plans of each student. Each exercise occupies $2\frac{1}{2}$ hours. *Tu., Th., Sat., at 9, or Tu., Wed., Th., at 2 (two or three exercises a week).* BIOL. LAB. PROFESSORS CONN and WHITNEY.

Course VII. is elective for those who have taken Course VI.

The periods during which instructors are in attendance in the biological laboratory are: *Tu., Th., Sat., 9-12*, and *Tu., Wed., Th., 2-5*. Students must arrange their laboratory periods during these hours.

[VIII. EVOLUTION. A study of evolution; lectures and recitations. The last half-year is devoted to the study of the evolution of man. *Twice a week*. PROFESSOR CONN.]

Course VIII. is elective for Juniors.

IX. BACTERIOLOGY. A study of the general subject, with special reference to sanitary problems. *Wed., Fri., at 8*. 8 J. H. PROFESSOR CONN. (I.)

Course IX. is elective for Juniors. Courses VIII. and IX. are given in alternate years, Course VIII. being omitted the present year.

X.¹ PERSONAL AND SOCIAL HYGIENE. This course is designed to meet the growing demand that educated persons should have a practical knowledge of the laws of health. Under the head of personal hygiene, it covers such topics as food habits, exercise, the care of the skin, the heart, the respiratory organs, the mind, a discussion of the habits of study, of sex hygiene, etc. Under the head of social hygiene, it covers problems of contagious diseases, and general topics of sanitation which concern the individual's relations to the community. Lectures, with daily written recitations. *Tu., Wed., at 2 (first half-year)*. 34 S. L. PROFESSORS CONN and FAUVER.

Course X. is required of Freshmen.

DAILY PROGRAM.

The order of lectures and recitations is set forth in the table given on pages 90 and 91. Roman numerals preceding the names of certain studies refer to the numbers of the courses as enumerated in the foregoing statement of courses of instruction. Arabic numerals, following the names of certain studies, indicate the sections into which the classes are divided. The figures ¹ and ² preceding the number of the course indicate respectively first and second half-year.

DAILY PROGRAM, 1911-1912

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.	XIII. Latin IV. Greek III. French II. History VII. Mathematics	I. XV. Latin I. XXI. Latin II. German, 1 II. French II. Philosophy IV. Mathematics	XIII. Latin I. Eng. Language, 3 II. History VII. Mathematics Bacteriology	I. XV. Latin I. XXI. Latin II. German, 1 II. French, 1 Dante in English II. Philosophy IV. Mathematics	XVIII. Latin I. Eng. Language, 3 II. History VII. Mathematics Bacteriology	I. A. Greek I. French, 1 I. A. Physics X. Physics
9.	I. Latin, 1 I. X. German IV. Eng. Literature I. Mathematics III. Mathematics IX. Chemistry Zoology	I. Latin, 2 IX. Latin IV. German I. Economics II. Mathematics	I. Latin, 1 I. X. German I. XII. German IV. Eng. Literature I. Mathematics III. Mathematics IX. Chemistry Zoology	I. Latin, 2 IX. Latin IV. German II. French, 2 I. Economics II. Mathematics	I. Latin, 1 I. X. German IV. Eng. Literature I. Mathematics III. Mathematics Zoology	I. Latin, 2 IV. German II. French, 2 Pub. Speaking (Soph.) II. Mathematics VIII. Mathematics
10.	I. X. Latin I. XII. Latin I. Greek I. French, 1 V. French II. History IX. Philosophy I. Physics Descriptive Geom.	VII. Greek IV. French I. Eng. Language, 1 IV. Philosophy I. XV. Mathematics I. XV. Mathematics VII. Physics I. Chemistry	I. Greek I. French, 1 Italian I. Eng. Language, 4 II. History IX. Philosophy I. X. Philosophy I. Physics Descriptive Geom. IV. Chemistry	VII. Greek IV. French I. Eng. Language, 1 IV. Philosophy I. XV. Mathematics I. XV. Mathematics VII. Physics I. Chemistry	I. X. Latin I. XII. Latin I. Greek I. French, 1 Italian II. History I. Eng. Language, 4 IX. Philosophy I. X. Philosophy Descriptive Geom. I. Physics IV. Chemistry	Pub. Speaking (Jun.) I. XIV. Mathematics I. XV. Mathematics VII. Physics I. Chemistry
11.	VII. Greek I. German, 1 VII. Eng. Literature III. Economics I. Logic, 1	I. Latin, 3 II. Greek I. German, 2 I. French, 2 I. Eng. Language, 2	I. A. Latin I. German, 1 VII. Eng. Literature III. Economics I. Psychology	I. Latin, 3 II. Greek II. German, 2 I. French, 2 I. Eng. Language, 2	I. German, 1 VIII. Eng. Literature I. Logic, 1 I. V. Mathematics I. VI. Mathematics	I. Latin, 3 I. German, 2 I. French, 2 Pub. Speaking (Sen.) II. A. Chemistry

DAILY PROGRAM, 1911-1912—(Continued)

Hour	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
11. Con.	2 Psychology 1V. Mathematics 2VI. Mathematics Descriptive Geom. VI. Chemistry	VII. Eng. Language IV. Economics 1 Logic, 2 Physiology	1V. Mathematics 2VI. Mathematics VIII. Mathematics Descriptive Geom. VI. Chemistry XV. Chemistry	VII. Eng. Language IV. Economics 1 Logic, 2 Physiology	Descriptive Geom. VI. Chemistry	
12.	1XVI. Latin 2XVII. Latin II. German, 2 I. English Literature V. History 1III. Physics 2IV. Physics XIV. Chemistry	1II. Latin 2III. Latin III. German VII. Economics X. Physics VIII. Chemistry	1XVI. Latin 2XVII. Latin II. German, 2 I. English Literature VI. Eng. Language V. History 1III. Physics 2IV. Physics 2X. Chemistry XIV. Chemistry	1II. Latin 2III. Latin III. German VII. Economics X. Physics VIII. Chemistry	1XVI. Latin 2XVII. Latin II. German, 2 VI. Eng. Language V. History 1III. Physics 2IV. Physics 2X. Chemistry XV. Chemistry	
2.	VIII. Mathematics II. B, III., V., VII., XIII. Chemistry 1 General Biology 2 Botany	1VIII. Greek V. Philosophy, 1 II., VIII., XI., XII. Physics 2 Phys. Geography, 1 V., VI., VII. Biology 1 Hygiene	VIII. Eng. Language II., VIII., XI., XII. Physics V., VI., VII. Biology 1 Hygiene	1VIII. Greek V. Philosophy, 2 II., VIII., XI., XII. Physics 2 Phys. Geography, 1 V., VI., VII. Biology	II. B, III., V. Chem- istry 1 General Biology 2 Botany	
3.	1XI. Latin 2XX. Latin 1VI. German 2VIII. German VI. French Spanish IV. Eng. Language II. B, III., V. VII., XIII. Chemistry 2 Botany	1VI. Latin 2XIV. Latin V. Philosophy, 1 II., VIII., XI., XII. Physics 2 Phys. Geography, 2 V., VI., VII. Biology	1XI. Latin 2XX. Latin IV. Greek 1VI. German 2VIII. German VIII. Eng. Language II., VIII., XI., XII. Physics V., VI., VII. Biology	1VI. Latin 2XIV. Latin V. Philosophy, 2 II., VIII., XI., XII. Physics 2 Phys. Geography, 2 V., VI., VII. Biology	1VI. German 2VIII. German Spanish II. B, III., V. Chem- istry 1 General Biology 2 Botany	

EXAMINATION GROUPS.

No student is allowed to take more than one course in any of these groups, with the exception of those (bracketed together) which are not given in the same half-year. The following courses are not assigned to any group, and may be elected without limitation: VIII., XII., XIII. Greek; Hebrew; Public Speaking; VI. History; VIII. Economics; V. Philosophy; VIII., XI. Mathematics; II., VIII., XI., XII. Physics; II.B, III., V., VII., XI., XII., XIII., XV. Chemistry; V., VI., VII. Biology; Hygiene.

I.—*M., W., F., at 8.*

XIII. Latin.

IV. Greek, *M.*,
(also *W.*, at 3).

III. French, *M.*

I. History.

VII. Mathematics.

Bacteriology, *W., F.*

II.—*M., W., F., at 9.*

¹I. Latin.

{ X. German.

{ XII. German, *M., W.*

IV. Eng. Literature.

{ I. Mathematics.

{ III. Mathematics.

IX. Chemistry, *M., W.*

Zoölogy.

III.—*M., W., F., at 10.*

{ X. Latin, *M., F.*

{ XII. Latin, *M., F.*

I. Greek.

²I. French.

V. French, *M.*

Italian, *W., F.*

II. History.

{ IX. Philosophy.

{ X. Philosophy, *W., F.*

Descriptive Geometry.

I. Physics.

IV. Chemistry, *W., F.*

IV.—*M., W., F., at 11.*

I.A Latin, *W.*

VII. Eng. Literature, *M., W.*

³VIII. Eng. Literature, *F.*

III. Economics, *M., W.*

I. Philosophy, *M., W.*

{ V. Mathematics.

{ VI. Mathematics.

VI. Chemistry.

¹ May be elected with I. and III. Mathematics.

² May be elected with any one course in this group.

³ May be elected with VII. English Literature.

V.—*M., W., F., at 12.*

- { XVI. Latin.
- { XVII. Latin.
- I. Eng. Literature, *M., W.*
- VI. Eng. Language, *W., F.*
- V. History.
- { III. Physics.
- { IV. Physics.
- X. Chemistry, *W., F.*
- XIV. Chemistry, *M., W.*

VI.—*M., W., F., at 3.*

- { XI. Latin, *M., W.*
- { XX. Latin, *M., W.*
- { VI. German.
- { VIII. German.
- VI. French, *M.*
- Spanish, *M., F.*
- IV. Eng. Language, *M.*
- VIII. Eng. Language, *W.*
- { General Biology, *M., F.*
- { Botany, *M., F.*

VII.—*T., Th., S., at 8.*

- { XV. Latin, *T., Th.*
- { XXI. Latin, *T., Th.*
- I. A Greek, *S.*
- 4II. German.
- 4II. French.
- Dante in English, *Th.*
- II. Philosophy, *T., Th.*
- IV. Mathematics, *T., Th.*
- I. A Physics, *S.*

VIII.—*T., Th., S., at 9.*

- IX. Latin, *T., Th.*
- IV. German.
- I. Economics, *T., Th.*
- II. Mathematics.

IX.—*T., Th., S., at 10.*

- VII. Greek, *T., Th.,*
(also *M., at 11*).
- IV. French, *T., Th.*
- IV. Philosophy, *T., Th.*
- { XIV. Mathematics.
- { XV. Mathematics.
- VII. Physics.
- I. Chemistry.

X.—*T., Th., S., at 11.*

- II. Greek, *T., Th.*
- 4I. German.
- I. Eng. Language, *T., Th.*
- VII. Eng. Language, *T., Th.*
- IV. Economics, *T., Th.*
- II. A Chemistry, *S.*
- Physiology, *T., Th.*

XI.—*T., Th., at 12.*

- { II. Latin.
- { III. Latin.
- III. German.
- VII. Economics.
- X. Physics, *T., Th.*
- VIII. Chemistry.

XII.—*T., Th., at 3.*

- { VI. Latin.
- { XIV. Latin.
- Physical Geography.

4 May be elected with any one course in this group.

SELECTION OF STUDIES.

FRESHMAN YEAR.

I. FOR CANDIDATES FOR THE B. A. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including I. English Language and Hygiene, which are required of all. The choice must include one three-hour course in Latin or Greek, and one three-hour course from the following: Latin, Greek, mathematics, a modern language.

	Hours per week.
I. English Language, - - - - -	3
I. Latin, - - - - -	3
I.A Latin, - - - - -	1
I. Greek, - - - - -	3
I.A Greek, - - - - -	1
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	1
General Biology, - - - - -	1
Botany, - - - - -	1
Hygiene, - - - - -	1

II. FOR CANDIDATES FOR THE B. S. DEGREE.

Each student must elect not less than *fifteen* nor more than *eighteen* hours per week from the following courses, including I. English Language and Hygiene, which are required of all:

	Hours per week.
I. English Language, - - - - -	3
I. Mathematics, - - - - -	1½
II. Mathematics, - - - - -	1½
III. Mathematics, - - - - -	1½
I. French or I. German, - - - - -	3
II. French or II. German, - - - - -	3
I. History, - - - - -	3
I. Physics, - - - - -	2 or 3
I. Chemistry, - - - - -	1½ or 3
Physical Geography, - - - - -	I
General Biology, - - - - -	I
Botany, - - - - -	I
Hygiene, - - - - -	I

Of the following courses, such as are not presented for admission must be passed in college:

II. Mathematics (trigonometry) and either I. Mathematics (solid geometry) or III. Mathematics (analytic geometry). Advanced algebra may be presented on admission to college in lieu of either solid geometry or analytic geometry.

I. French and II. French.

I. German and II. German.

SOPHOMORE, JUNIOR, AND SENIOR YEARS.

A student must elect in Sophomore and Junior years not less than *fifteen* nor more than *eighteen* hours per week of study, in Senior year not less than *thirteen* nor more than *eighteen* hours per week of study. In the Sophomore year rhetorical exercises are required, which are rated as the equivalent of one hour per week, to be included in the prescribed quota. The requirement for graduation is *sixty* hours of work, inclusive of rhetorical exercises. After the Freshman year there are no required studies, except Sophomore rhetorical exercises; but the election of studies must conform to the following requirements:

A. GROUP SYSTEM.

The departments of study are arranged in the following groups:

Group I.	Group II.	Group III.
Latin,	History,	Mathematics and
Greek,	Economics and Social	Astronomy,
German,	Science,	Physics,
Romance Languages,	Philosophy,	Chemistry,
English.	Ethics and Religion.	Geology,
		Biology.

A student's courses, including those of the Freshman year, must include at least *twelve* hours from Group I. and at least *nine* hours from each of Groups II. and III. Courses offered in college, but taken in preparatory school and presented for admission, may be counted in making up this requirement.

B. MAJOR STUDIES.

At the beginning of the Junior year, each student must elect a major study, the requirement for which is not less than *nine* nor more than *twelve* hours' work per week for a year in a department, the studies constituting the major to be elected with the approval of the senior instructor in the department in which the major is elected. The major may consist wholly of studies in one department, or partly of studies in cognate departments, so chosen as to make a consistent program. The following courses are not allowed to count in making up a major:

I. English Language, the rhetorical exercises of the Sophomore year, I. French, I. German, I. Chemistry (first-half), Botany, Physical Geography.

DEPARTMENTAL AND OTHER LECTURES, 1910-1911.

In addition to the Courses of Instruction named above, lectures are given each year under the auspices of various departments or associations connected with the University. Most of these lectures are open to the public. In 1910-11 were given the following:

DEPARTMENTAL LECTURES.

DEPARTMENT OF PHILOSOPHY.—Professor Robert Mearns Yerkes, Harvard University. Subject: "The Problems and Methods of Comparative Psychology."

Professor Arthur Lincoln Gillett, Hartford Theological Seminary. Subject: "The Modern Man and his God."

Professor James Bissett Pratt, Williams College. Subject: "The Life and Work of William James, with Special Reference to his Philosophy of Religion."

DEPARTMENT OF HISTORY.—Professor Albert Bernhardt Faust, Cornell University. Subject: "The German Element and the American Frontier."

Doctor Henry Barrett Learned, New Haven, Connecticut. Subject: "The Beginnings of the American Cabinet."

Professor George Matthew Dutcher. Subject: "The American Historical Association; Its History and its Recent Meeting in Indianapolis."

Professor Wilbur Cortez Abbott, Yale University. Subject: "The Posthumous Cromwell."

Doctor Henry Barrett Learned, New Haven, Connecticut. Subject: "President Polk and his Cabinet."

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The Middletown Scientific Association, founded in 1871, has a membership of about ninety, taken partly from the college and partly from the town. Regular meetings are held on the second Tuesday of every month during the college year, in the lecture-room of the John Bell Scott Memorial. During 1910-11 the following addresses were given:

Professor Albert Davis Mead, Brown University. Subject: "Cultivation of Marine Food Animals."

Professor Herbert William Conn. Subject: "Infantile Paralysis."

Doctor Kate Campbell Mead, Middletown. Subject: "Medical Practice, Past and Present—A Contrast."

Doctor Francis Gano Benedict, Director of the Nutrition Laboratory of the Carnegie Institution, Boston. Subject: "The Influence of Mental and Muscular Work on Nutritive Processes."

Professor William North Rice. Subject: "What I have Unlearned in Geology."

Doctor Raemer Rex Renshaw. Subject: "Racial Poisons."

Professor Henry Augustus Perkins, Trinity College. Subject: "The Progress of Physics."

Mr. Henry Floy, New York. Subject: "The Present Status of the Panama Canal."

Professor Raymond Dodge. Subject: "New Methods of Studying the Contractions of the Human Heart."

THE CLASSICAL CLUB.

The Classical Club was founded in 1906 by about twenty of the students taking classical courses. Meetings are held once a month during the college year. The following addresses were given before the club in 1910-11:

Professor Karl Pomeroy Harrington. Subject: "Trajan's Column."

Professor Joseph William Hewitt. Subject: "The Humor of Aristophanes."

Professor William Arthur Heidel. Subject: "A Trip Through Greece."

Professor Paul Shorey, University of Chicago. Subject: "Athens *Fin de Siècle*."

LA SOCIÉTÉ FRANÇAISE.

A French club was founded in 1907 by a number of students taking courses in the department of romance languages. In the fall of 1909, the club was reorganized under the title of La Société Française, holding fortnightly meetings at the fraternity houses. The following addresses were given in 1910-11:

Mr. Charles Edward Graves. Subject: "Les Galeries de Peintures Parisiennes" (illustrated).

Professor Oscar Kuhns. Subject: "Chantecler."

Mr. Charles Edward Graves. Subject: "Les environs de Paris" (illustrated).

DER DEUTSCHE VEREIN.

A club was organized October 23, 1909, by undergraduates for further practice in the German language and the study of German culture. Those undergraduates are eligible for active membership (limited to twenty-five upper classmen and five freshmen) who are taking or have taken courses in German more advanced than Course II. Members of the faculty and graduate students may be elected to honorary membership. Meetings are held semi-monthly in rooms in East Hall, where the Verein expects to maintain a German reading-room. Programs, arranged with the advice of the teaching staff in the department, include addresses by instructors in German in other institutions, papers by members, plays, etc. The following addresses were given in 1910-11:

Professor William Arthur Heidel. Subject: "Deutschland nach zwanzig Jahren."

Mr. Frederick W. J. Heuser, Columbia University. Subject: "Heine und die Harzreise" (illustrated).

Professor Robert Herndon Fife, Jr. Subject: "Göttingen."

Mr. Walter Parks Bliss. Subject: "Der Beitrag Deutschlands zur Bakteriologie."

Mr. Frederick Alfred Erfling, Middletown, Conn. Subject: "Ein paar Erfahrungen eines Matrosen."

Doctor Paul Curts. Subject: "Eine Canoeahrt in Canada."

Professor Raymond Dodge. Subject: "Eine Feriensreise in der Riviera."

GENERAL REGULATIONS.†

REGISTRATION.

Every student of the Junior, Sophomore, and Freshman classes is required to present to the Secretary of the Faculty, on or before the second Wednesday before Commencement, a list of the studies which he proposes to take the next college year. A fee of one dollar shall be paid by each student who fails to present such a list on or before that date. Every student is required to register at the beginning of the first term of each year, at which time changes may be made in the list of studies selected in June. At the same time, members of the Junior class are required to present the list of courses approved by the respective instructors for major studies. A fee of two dollars shall be paid by each student who does not register at the time appointed.

QUOTA OF STUDIES.

The requirement for graduation is sixty hours of work. Freshmen, Sophomores, and Juniors must take not less than fifteen nor more than eighteen hours of work per week, and Seniors not less than thirteen nor more than eighteen hours per week. No student will be allowed to take less than the minimum nor more than the maximum above specified, without special permission of the Administration Committee. A fee of five dollars per hour for the year is charged for all courses taken in excess of eighteen hours per week.

GRADES.

The general character of the work of each student in each study is indicated by his assignment to one of six grades, grade 1 denoting the highest excellence, and grades 5 and 6, failure to pass. A student in the fifth grade may be allowed another examination in the study, as prescribed in paragraphs 27-29 of the Regulations. A student in the sixth grade cannot be examined again in the study, unless he take it a second

† Copies of the detailed Regulations may be obtained from the Secretary of the Faculty.

time in the class. A student will not be graduated unless he attains a grade higher than fourth in sixty per cent of his work.* The Secretary of the Faculty sends to each student, within three weeks after Commencement, a report of his grades in all the studies which he has taken during the year.

EXAMINATIONS.

Regular examinations are held at the end of the year, and during a specified period at the mid-year. The allowance of absence from recitations is, in courses running through the year, twice the number of required exercises a week; in courses running through a half-year the allowance is proportionately diminished. A student who has taken the allowed number of absences in any course, exclusive of those excused by the President or by the Committee on Athletic and Musical Organizations, must thereafter present an excuse for every absence taken in that course, and in case he have one unexcused absence or deficiency in addition to the number allowed, he is excluded from examination and must take a special examination later, paying a fee of five dollars. In the application of this rule, absences from the first or the last exercise of a term in any study, or consecutive absences including the first or the last exercise, are each reckoned as two absences. Absences of the same nature before or after the Thanksgiving recess are each reckoned as two absences.

Special written examinations are held during the week commencing with the Tuesday before the beginning of the first term for all who have been absent from any of the examinations of the previous year, or who have received grade five in the same, except those who have been examined and failed to pass at both the regular examination in January and the special examination in the third term.

For the benefit of students deficient in second half-year subjects, special written examinations are held during the first few days after the Christmas recess, at times announced by the Secretary of the Faculty. For these examinations application must be made before the close of the first term. A fee of five dollars is charged for each examination.

* This rule does not apply to the class of 1912, nor to the work of the classes of 1913 and 1914 prior to the beginning of the year 1911-12.

For the benefit of students who have been absent from any of the examinations during the preceding part of the year, or who have received grade five in the same, special written examinations are held during the first few days after the Easter recess, provided that application for such examination is made by the candidate before the close of the second term.

A student who fails to pass a final examination in any study before that study is taken up by the next succeeding class is required, unless specially excused therefrom, to recite with that class, or, in the case of an elective study, to substitute some other elective therefor. If, at the close of the special examinations held at the beginning of the year, a student is deficient by an amount equivalent to six or more hours of work a week for a year, he is ranked with the next lower class, unless specially excused therefrom by the Committee of the Faculty on Administration.

ENTRANCE CONDITIONS.

A student who fails to make up entrance conditions on or before the first day of November of the next college year is excluded from all recitations until the conditions are made up. A fee of five dollars is charged for an examination in entrance conditions after the regular examination for admission at the beginning of the student's second year in college.

PUBLIC WORSHIP.

Devotional services, at which the attendance of students is required, are held in Memorial Chapel every week-day morning, and on Sunday afternoons.

Voluntary religious services under the direction of the Young Men's Christian Association are held weekly.

LEAVE OF ABSENCE.

A student who desires excuse from college exercises on account of absence from town must apply to the President for permission to be absent, and, unless the circumstances of the case render it impracticable, such permission must be obtained before the student's departure.

STUDENT ORGANIZATIONS.

No member of the Senior or Junior class who is deficient in his college work more than two hours a week for a year, and no member of the Sophomore class who is deficient more than three hours a week for a year, is allowed to take part, as a member of a University athletic team, in any athletic contest, except by special permission; and any student whose college work becomes unsatisfactory at any time during the year may be debarred from taking part in such a contest.

Members of the college musical and dramatic organizations, who are deficient as specified in the preceding paragraph, are not allowed to appear in public performances given by those organizations.

No student under censure is allowed to serve, without permission of the Faculty, in any capacity on an athletic organization or on a musical or dramatic association giving public performances.

No Freshman who has entrance conditions amounting to three points is allowed to represent the college on any athletic, musical, or dramatic organization.

No student is allowed, without special permission of the Committee on Administration, to represent the College in any one year on more than two of the following organizations: football, baseball, basketball, track athletics, tennis, glee club, dramatics; nor on any two of them that are in active operation at the same time.

The approval of the schedules of public performances given by the musical and dramatic organizations is in the hands of committees of the Faculty.

THE ATHLETIC COUNCIL.

In 1903 the Trustees authorized the organization of an Athletic Council, composed of three representatives each of the Faculty, the alumni, and the undergraduates. The Council has general supervision over the athletic affairs of the college, subject to certain veto powers retained by the Faculty. It administers eligibility rules, except as regards scholarship, approves schedules, ratifies the election of captains and managers, and

controls the finances of the several departments of athletics, through a financial secretary. The officers of the council for 1911-12 are: Seward V. Coffin, '89, President; H. L. Simms, '12, Vice-President; Professor Edgar Fauver, Secretary; Professor L. A. Howland, Financial Secretary.

EXPENSES.

The annual charges in the Assistant Treasurer's bill are as follows:—

Tuition, - - - - -	\$90 00
Incidentals, use of library and reading-rooms, etc.,	50 00
Total, - - - - -	\$140 00

A fee of two dollars is charged for I. Chemistry, and a fee of one dollar for General Biology and for Botany. For the laboratory courses in physics, chemistry, and biology, fees are charged which vary with the nature of the course and with the number of exercises elected per week. The fee for each exercise per week in practical physics, in practical biology, and in II. and XIII. Chemistry, is five dollars; in III., V., and XI. Chemistry, eight dollars; and in VII. Chemistry, ten dollars. Students electing the chemistry courses named are required in addition to make a deposit of five dollars, which is refunded at the close of the course after charges for breakage have been deducted.

A diploma fee of five dollars is charged to each student at graduation.

A fee of five dollars is required of every candidate for the Master's degree before his course of study can be approved by the Committee on Graduate Instruction.

A diploma fee of ten dollars is charged to each graduate student upon promotion to the Master's degree.

The college bills are payable soon after the beginning of each semester. Unless the bill for any semester is paid, or payment thereof guaranteed, on the day appointed, the student is liable to exclusion from recitations.

No student can have an honorable dismissal, or certificate of progress in his studies, until his bills are paid or payment thereof guaranteed.

A student who is absent from college on account of sickness, or for other cause, and who retains his place in his class, must pay the full college bills during his absence.

Board may be obtained in private families at prices varying from \$3.75 to \$5.00 a week. The college fraternities maintain clubs which supply board to their members at prices ranging from \$3.50 to \$5.00 a week. The price of board at the college dining hall is \$3.00 a week.

Other expenses incident to college life vary with the habits and circumstances of the student. They are not, of necessity, so great as to be burdensome to persons in moderate circumstances. Instances have been extremely rare in which students of good ability and health have been compelled to leave college for want of money.

DORMITORY ACCOMMODATIONS.

The new North College, at the end of College Row, contains one hundred and one rooms that are available for students. The rooms are lighted by electricity, heated by steam, and provided with single beds, mattresses, chiffoniers, and desks. The prices indicated below include the care of the room. An extra charge for electric light is also made, the charge depending upon the electric power furnished. A diagram showing the location of rooms, with dimensions, also a price-list giving number of occupants allowed in each room, will be sent upon application to the Secretary of the Faculty.

Rooms are rented also in Observatory Hall and in East Hall, at a lower rate than is the case in North College. The rooms in East Hall are not furnished. Most of the rooms in both buildings are lighted with either gas or electricity, for which an additional charge is made.

Each student renting a room must make a deposit of ten dollars (\$10) at the time the assignment is made, and must sign a contract binding him to pay the rent of the room and to occupy the room in person through the entire college year. This deposit shall be forfeited in case the student fails to return to college or in case he does not enter; otherwise the deposit shall be credited on his bill for room-rent.

Students are permitted to take lodgings in town, but the places in which they room or board are in all cases subject

to the approval of the Faculty. If any of the rooms in the college are thus left vacant, the rent of such rooms may be charged to holders of free scholarships who room in town.

Application for rooms should be made to the Secretary of the Faculty.

PRICES OF COLLEGE ROOMS.

North College (Furnished Rooms).

NO.	RENT.	HEAT.	NO.	RENT.	HEAT.	NO.	RENT.	HEAT.
1 }	\$110	\$24	35	\$60*	\$16	69	\$60*	\$20
2 }			36			70 }		
3	80	20	37 }	110	24	71 }	125†	30
4	50	16	38 }			72 }		
5 }	100	24	39 }	110	24	73	50	16
6 }			40 }			74	50	16
7	60*	20	41	50	16	75 }	110	24
8	50	16	42	50	16	76 }		
9	80	20	43 }	125†	30	77 }	110	24
10 }	125†	30	44 }			78 }		
11 }			45 }	60*	20	79	80	20
12 }	110	24	46 }			80	60*	20
13 }			47 }	125†	30	81 }	100	24
14 }	50	16	48 }			82 }		
15			49 }	50	16	83 }	100	24
16	50	16	50			84 }		
17 }	125†	30	51	50	16	85	60*	20
18 }			52 }	110	24	86	80	20
19 }	125†	30	53 }			87 }	110	24
20 }			54 }	110	24	88 }		
21 }	125†	30	55 }			89 }	110	24
22 }			56	60*	16	90 }		
23	50	16	57 }	100	24	91	50	16
24	50	16	58 }			92	50	16
25 }	110	24	59	80	20	93 }	100	24
26 }			60 }	110	24	94 }		
27 }	110	24	61 }			95	50	20
28 }			62 }	110	24	96 }	100	24
29	80	20	63 }			97 }		
30	60*	16	64	50	16	98	50	16
31 }	100	24	65	50	16	99	50	16
32 }			66 }	125†	30	100 }	110	24
33 }	100	24	67 }			101 }		
34 }			68 }					

* Rent \$75, if occupied by two persons.

† Rent \$150, if occupied by three persons.

Observatory Hall (Furnished Rooms).

NO.	RENT.	HEAT.	REMARKS.			
1	\$55	\$12	Rent, \$60, if occupied by 2 persons.			
2 }	90	20	"	100,	"	3 "
4 }						
3	45	12				
6	50	12	"	55,	"	" 2 "
7	50	12	"	55,	"	" 2 "
9	50	15	"	55,	"	" 2 "
10	50	12	"	55,	"	" 2 "
11	80	15	"	90,	"	" 2 "
12	90	20	"	100,	"	" 3 "
13	90	16	"	100,	"	" 3 "
14	90	18	"	100,	"	" 3 "
15	50	15	"	55,	"	" 2 "
16	55	15	"	60,	"	" 2 "
17	50	15	"	55,	"	" 2 "
18	45	12				
19	100	18	"	110,	"	" 3 "
20	100	18	"	110,	"	" 3 "

East Hall (Unfurnished Rooms).

NO.	RENT.	HEAT.	NO.	RENT.	HEAT.	NO.	RENT.	HEAT.
1	\$85	\$16	10	\$75	\$16	16	\$40	\$12
2	85	16	11	75	16	17	45	12
5 }	60	15	12	75	16	18	50*	15
6 }			13	45	12	19	45	12
8	45	12	14	50	16	20	45	12
9	75	16	15	50*	15	21	35	12

* Rent, \$65 for three persons.

COLLEGE DINING HALL.

In order to reduce the expense of a college course, the college maintains a dining hall, where board may be obtained at a low rate. There is accommodation for about one hundred boarders. The college is responsible for the general management, the details being in charge of a matron who is responsible to a college officer. Bills are paid into the college treasury, and the college assumes all financial responsibility. The rate of board is at present three dollars a week.

MATERIAL EQUIPMENT.

NEW BUILDINGS.

WILLBUR FISK HALL, opened in the summer of 1904, is occupied by the departments of language, literature, history, economics, and philosophy. It is of Portland brownstone and practically fire-proof, 113 by 62 feet in dimensions, three stories in height above a lofty and well-lighted basement story, and cost one hundred and fourteen thousand dollars. It contains ten private studies for professors in charge of departments, fourteen lecture-rooms, seven commodious seminary rooms, and a well-appointed psychological laboratory.

In the planning and construction of the building careful attention was paid to matters of heating, lighting, ventilation, and drainage. It is believed that in dignity of external appearance, interior finish, convenience of arrangement, and adaptation at all points to the uses for which it is designed, it is a model college building.

THE JOHN BELL SCOTT MEMORIAL, a new Physical Laboratory, was completed in 1904 at a cost of one hundred and eighteen thousand dollars. It is the gift of the late Charles Scott and of his son, Charles Scott, of the class of 1886, in memory of John Bell Scott, of the class of 1881, who died of disease contracted while serving as Chaplain of the U. S. Cruiser *St. Paul* during the Spanish-American war.

It is a beautiful and imposing building constructed of Harvard brick and Indiana limestone. Its main part has a frontage of 102 feet and a depth of 51 feet, and in the rear is an extension 50 by 30 feet. The building consists of basement, three stories, and attic, except that the third story is omitted in the extension. The main lecture-room contains nearly two hundred seats, and there is a smaller lecture-room seating

about forty persons. The building contains twenty-two rooms for experimental work, elementary and advanced, in addition to lecture and apparatus rooms, photographic dark-rooms, storerooms, offices, a library, and a room for draughting and computing. There is also a tower 4 by 6 feet in cross section, with a height of 54 feet in the clear, which can be used for experiments requiring great vertical extension.

The building is equipped with an exceptionally extensive and complete system of wiring for the purpose of distributing to all points, for experimental use, electric currents from the city mains as well as from the storage battery and generators in the basement. For the most part the interior is finished with exposed brick walls, painted a light tint, and with exposed floor timbers and pipe work.

THE NEW NORTH COLLEGE was occupied as a dormitory for men in January, 1908. It is of Portland brownstone, practically fire-proof, 152 by 48½ feet in dimensions, four stories in height above a basement, and cost about \$135,000. The building contains one hundred and one rooms, arranged to satisfy varying demands. There are lavatories in the basement and on the third floor, supplied with tub and shower baths. The floor construction is of reinforced concrete throughout, and the stairs of iron and slate. The building is heated by steam from the central heating plant, and all rooms are lighted by electricity. All partitions in the basement, corridors, and stair-wells are of hollow terracotta brick.

SOUTH COLLEGE, which formerly was used for recitation rooms and studies, has been remodeled to serve as an administration building. The entrance to the building has been raised and a new flight of steps constructed as an approach. The old wooden staircases have been replaced by new ones of iron, with slate treads. The first floor is used as a storeroom by the library. The second and third floors contain private offices for the President and the Secretary of the Faculty, a stenographer's room and a storeroom, and a spacious room, finished in quartered oak, used for Faculty meetings and as a general office. On the fourth floor are a number of two-room suites for dormitory use.

LIBRARY AND READING-ROOMS.

THE LIBRARY in Rich Hall contains about eighty-eight thousand volumes. The library is open every week-day of the college year from 8 A. M. to 10 P. M. Students are allowed direct access to the shelves. Copies of the library rules may be obtained from the Librarian.

The increase of the Library is provided for from the income of funds amounting to \$99,933:

THE ALUMNI LIBRARY FUND, \$37,124, the aggregate of numerous gifts from alumni and friends of the University.

THE HUNT LIBRARY FUND, \$31,582, established by Rev. Albert Sanford Hunt, D. D., of the class of 1851, of Brooklyn, N. Y.

THE WILCOX LIBRARY FUND, \$21,054, established by Mrs. Harriet H. Wilcox, of Brooklyn, N. Y.

THE WISE LIBRARY FUND, \$5,013, for the purchase of scientific books, established by Rev. Daniel Wise, D. D., of Englewood, N. J.

THE MEAD LIBRARY FUND, \$5,010, established by Miss Elizabeth J. Mead, of Stamford, Conn.

THE GONA LIBRARY FUND, \$150, established by a friend of the department of chemistry for the purchase of books for that department.

On the first floor of Memorial Chapel is a reading-room, provided with daily and weekly newspapers. Another reading-room, on the second floor of Rich Hall, contains the current issues of the most important magazines and reviews, literary and scientific, American and foreign.

ASTRONOMICAL OBSERVATORY.

THE OBSERVATORY is used for purposes of instruction, and is well equipped therefor. Students in astronomy have frequent opportunities to examine the most interesting celestial objects through the telescope; and members of the class in practical astronomy are instructed in the theory and use of all the instruments in the observatory.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

A gift was received in 1903 from the late Joseph Van Vleck of Montclair, New Jersey, to be used toward the erection and equipment of a new astronomical observatory. This gift, with its accumulations, exclusive of money spent in the purchase of a site for the building, now amounts to nearly \$49,000.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture-room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a mirror exposure apparatus of new design for studies in the psychology of reading, a microscope sphygmograph and registering device, and an Einthoven spring-galvanometer. The latter combine to give the benefit of a complete "heart-station."

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 109. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In electricity, particularly, facilities

are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents, electric oscillations, and discharge through gases.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25-horse-power Ball engine, and a $17\frac{1}{2}$ -kilowatt direct-current dynamo.

THE CRAWFORD MEMORIAL FUND. A fund of five thousand dollars has been given by Hanford Crawford, of St. Louis, in memory of the Reverend Morris D'Camp Crawford, who was a Trustee of Wesleyan University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the department of physics, or to the promotion of research in the same department.

THE CHEMICAL LABORATORY finds accommodation on the lower floors of Judd Hall. Two lecture and recitation rooms provide facilities for class instruction. The larger of the two is capable of seating one hundred and ten persons.

The laboratory courses are likewise accommodated in two rooms, one of which is reserved exclusively for the use of students in quantitative analysis. In the other, which is the general laboratory room, there are desks for more than fifty students.

The very valuable library of chemical periodicals collected by the late Professor Atwater is housed in the chemical laboratory and is accessible to instructors and students alike.

THE CRYOGENIC LABORATORY furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a liquid-air plant, including an electric motor, a Norwalk compressor which delivers about twenty cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about five liters of liquid-air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Five rooms are used for general laboratory purposes, of which two are devoted to miscellaneous laboratory work, one to general laboratory work of large classes, one to coarse

direction and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study. The laboratory is especially well equipped for bacteriological work. Advanced students of the department have also the advantage of the use of the State Bacteriological Laboratory, located in the John Bell Scott Memorial.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanician. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenezer Hill, of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAYERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wylls Street. Its dimensions are 55 by 120 feet.

The basement contains a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof,

above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation, drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is afforded for baseball and field and track athletics. Football is played in another part of the field which has recently been improved for the purpose. An outdoor board track has been built by one of the college fraternities in memory of Jesse Lyman Hurlbut, Jr., class of 1900. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practise at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing-rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations

and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. In 1908 a fine collection of birds' nests, and a collection of alcoholic reptiles and amphibians, from Portland and Cromwell, was received from Mr. Charles H. Neff. At the death of Mr. Neff in 1911, his entire collection came as a legacy to the museum. The collection is rich in skins, mounted specimens, and eggs of the birds of Portland and vicinity. The zoölogical department includes about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879. The herbarium of Rev. Merrill Hitchcock, B. A., including about 700 specimens, of which about 200 are from Connecticut, was presented to the museum in 1908.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a valuable accession in the gift of a set of the educational series of rock specimens described in

Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection. The collections in paleontology have been very largely increased since 1893 by the work of the late curator, S. Ward Loper, M. A., in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in the vicinity of Chattanooga, Tenn., Cañon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. Especially important among these accessions are the collections of fossil fishes and plants from the Triassic shales of the Connecticut valley, and of Tertiary fishes and plants from Fossil, Wyo., and Tertiary plants and insects from Florissant, Col. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the University Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The collection of local Indian relics has been greatly increased by the legacy of Charles H. Neff in 1911. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by

Clarence S. Wadsworth, B. A.: and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., Mrs. W. W. Wilcox, Rev. John Gowdy, D. D., and Rev. Joseph Beech, D. D. The collection of coins numbers about 4,500, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Other valuable collections of Chinese coins have been received from Rev. John Gowdy, D. D., and Rev. Joseph Beech, D. D. A valuable collection of Greek and Roman coins and facsimiles of such coins, historical medals, and copies of such medals, was presented to the museum in 1906 by Stephen H. Olin, LL. D. Additional specimens subsequently presented by Dr. Olin make the number of specimens in this collection more than 600. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy and geology. The coins (with the exception of the Olin collection and certain other special collections placed on exhibition in the museum) are kept in a case in the classical seminary room in Fisk Hall, where they can be seen by students and others on special application.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOÖLOGY.

Mammals—skins mounted and unmounted, - - -	225
alcoholic, - - - - -	50
skulls and skeletons, - - - - -	110
Birds—skins mounted and unmounted, - - - - -	2,000
nests and eggs, - - - - -	1,600
Reptiles, - - - - -	600
Amphibians, - - - - -	200
Fishes, - - - - -	2,100
Insects—pinned and alcoholic, - - - - -	6,500
nests, borings, etc., - - - - -	50
Crustacea, - - - - -	1,500
Worms, - - - - -	1,800
Mollusks—shells, - - - - -	90,000
alcoholic, - - - - -	4,000

WESLEYAN UNIVERSITY.

119

Echinoderms, - - - - -	1,000
Coelentera, - - - - -	1,700
Sponges and protozoa, - - - - -	150

DEPARTMENT OF BOTANY.

Plants in herbarium, - - - - -	11,400
Specimens of wood, - - - - -	400
Miscellaneous botanical specimens, - - - - -	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks, - - - - -	21,500
Fossils—Paleozoic, - - - - -	11,500
Mesozoic, - - - - -	3,700
Cenozoic, - - - - -	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens, - - - - -	4,400
Coins, - - - - -	6,800

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

The heirs of Mr. Ralph Mead have transferred to the University the perpetual scholarship issued in his name. This scholarship, which is at the disposal of the President, exempts the holder from the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, LL. D., of the class of 1859. In accordance with its provisions, the income of \$7,763 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIP.

This scholarship was founded by Miss Louisa Loveland. The income of \$2,663 is available, at the discretion of the Faculty, for the use of a deserving student who needs pecuniary assistance. For this scholarship only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church can be candidates.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,124 is given annually to that member of the Senior or Junior class who is named by

the Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates.

THE ACKLEY SCHOLARSHIP.

This scholarship was founded by Mrs. Helen E. Ackley. The income of \$2,000 is given annually to such young women among the undergraduates as in the opinion of the Board of Trustees are deserving of assistance.

SCHOLARSHIP FUNDS.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Frank S. Jones Scholarship Fund, \$1,065, founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$3,695, founded by William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,348, founded by John J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory of Hon. George W. Shonk, B. A., class of 1873.

The Starks Scholarship Fund, \$1,072, founded by Mrs. Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,071, founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,130, founded by Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$3,163, founded by James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$11,484, founded by Mrs. Annie M. Swift, of Chicago, Ill., in memory of her husband, Gustavus F. Swift.

The George G. Reynolds Scholarship Fund, \$2,098, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y.

The principal instruments are an equatorial of twelve inches aperture, by Alvan Clark & Sons, provided with a filar micrometer, a polarizing photometer, and spectroscopes, solar and stellar, two of which have very high dispersive power; a transit instrument of three inches aperture, with collimators of the same aperture, and adapted to use as a zenith telescope; a prime vertical instrument of the same size; sextants; two astronomical clocks; a chronometer; and a chronograph.

A gift was received in 1903 from the late Joseph Van Vleck of Montclair, New Jersey, to be used toward the erection and equipment of a new astronomical observatory. This gift, with its accumulations, exclusive of money spent in the purchase of a site for the building, now amounts to nearly \$49,000.

LABORATORIES AND APPARATUS.

THE LABORATORY OF EXPERIMENTAL PSYCHOLOGY occupies four rooms in Fisk Hall: a general laboratory and lecture-room, a smaller research laboratory, a construction and apparatus room, and a physiological dark-room. These rooms were designed expressly for their present use and contain electrical and other fittings of the most approved sort. The equipment of the laboratory is being increased to meet the demands of research as well as for more adequate class-room demonstration and elementary laboratory exercises. Among the more recent acquisitions may be mentioned: a set of preparations of the brain and spinal cord, a pendulum-tachistoscope, a projection apparatus designed for experimental purposes as well as for the projection of lantern slides, a mirror exposure apparatus of new design for studies in the psychology of reading, a microscope sphygmograph and registering device, and an Einthoven spring-galvanometer. The latter combine to give the benefit of a complete "heart-station."

THE PHYSICAL LABORATORY occupies the John Bell Scott Memorial, for a description of which see page 109. It is equipped with apparatus for the performance of the experiments usually undertaken in undergraduate courses, and offers also opportunity, in certain lines, for advanced work on the part of graduate students. In electricity, particularly, facilities

are afforded for instruction in the use of the most important electrical instruments and machines, and for extended tests and investigations, especially in the line of alternating currents, electric oscillations, and discharge through gases.

In addition to the electrical equipment of the Scott Laboratory the dynamo-room in the boiler house contains a 25-horse-power Ball engine, and a 17½-kilowatt direct-current dynamo.

THE CRAWFORD MEMORIAL FUND. A fund of five thousand dollars has been given by Hanford Crawford, of St. Louis, in memory of the Reverend Morris D'Camp Crawford, who was a Trustee of Wesleyan University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the department of physics, or to the promotion of research in the same department.

THE CHEMICAL LABORATORY finds accommodation on the lower floors of Judd Hall. Two lecture and recitation rooms provide facilities for class instruction. The larger of the two is capable of seating one hundred and ten persons.

The laboratory courses are likewise accommodated in two rooms, one of which is reserved exclusively for the use of students in quantitative analysis. In the other, which is the general laboratory room, there are desks for more than fifty students.

The very valuable library of chemical periodicals collected by the late Professor Atwater is housed in the chemical laboratory and is accessible to instructors and students alike.

THE CRYOGENIC LABORATORY furnishes facilities for demonstration and for research at low temperatures. Its main equipment consists of a liquid-air plant, including an electric motor, a Norwalk compressor which delivers about twenty cubic feet of air per minute at a pressure of 3,000 pounds, and a liquefier. The capacity of the liquefier is about five liters of liquid-air per hour.

THE BIOLOGICAL LABORATORY occupies six rooms in Judd Hall, and is capable of accommodating about thirty students. Five rooms are used for general laboratory purposes, of which two are devoted to miscellaneous laboratory work, one to general laboratory work of large classes, one to coarse

dissection and one to bacteriological work. The laboratory is equipped with all the apparatus necessary for elementary biological work, and is provided with an abundance of material for anatomical and histological study. The general laboratory room contains a type collection illustrating all orders of animals, and students are allowed to use the large museum collection for comparison and direct study. The laboratory is especially well equipped for bacteriological work. Advanced students of the department have also the advantage of the use of the State Bacteriological Laboratory, located in the John Bell Scott Memorial.

THE MACHINE SHOP occupies the west room in the boiler house, and is in charge of a skilled mechanician. It is equipped with first-class power lathes, planer, shaper, etc., and affords ample facilities for the construction of new apparatus, for purposes both of demonstration and of investigation; for the repair of apparatus already in use; and, to a limited extent, for the instruction of advanced students who have exceptional mechanical aptitude.

MATHEMATICAL MODELS. This collection, the gift of Ebenzer Hill, of the class of 1870, comprises a complete set of the models made by Brill of Darmstadt, for illustration in the higher branches of mathematics, as well as in mathematical physics and crystallography. The models are arranged in a series of cases in the mathematical reading-room in Observatory Hall.

GYMNASIUM AND ATHLETIC FIELD.

THE FAYERWEATHER GYMNASIUM is located on the north side of the rear campus, parallel with Wyllys Street. Its dimensions are 55 by 120 feet.

The basement contains a baseball cage, a large room for shower baths, a room adjacent for rubbing and drying, a large locker room, and toilet rooms. On the first floor is the main hall of the gymnasium, which is well equipped and affords ample room for every variety of gymnastic exercise. The director's office and a room for visiting teams are also on the first floor. The running track is suspended from the roof,

above the main floor. On the second floor is a trophy room, used also as a committee room by the various athletic organizations. Special attention has been paid to ventilation, drainage, and lighting, and the building is believed to contain the best features of a modern gymnasium.

Exercise in the gymnasium is required of the men of the Freshman and Sophomore classes, three hours a week, from Thanksgiving to the end of the winter term. Elective work in the gymnasium is offered to the men of the Junior and Senior classes.

THE ANDRUS FIELD lies in the rear of the main line of college buildings, just south of the gymnasium. A quarter-mile cinder track, with a "straight-away" of 100 yards, encircles one portion of the field, within which ample room is afforded for baseball and field and track athletics. Football is played in another part of the field which has recently been improved for the purpose. An outdoor board track has been built by one of the college fraternities in memory of Jesse Lyman Hurlbut, Jr., class of 1900. It is about thirteen laps to the mile, and is banked at the corners. The entire field, covering seven acres, provides sufficient space for class and 'varsity teams to practise at the same time. Its proximity to the college enables the whole student body to keep in touch with the training in all branches of athletics, and affords the teams an opportunity to use the dressing-rooms and baths reserved for them in the gymnasium.

At the southern end of the field is a covered grand stand, capable of seating four hundred persons.

MUSEUM.

THE MUSEUM OF NATURAL HISTORY AND ETHNOGRAPHY occupies the upper stories of the Orange Judd Hall of Natural Science. The collections are arranged with special reference to their educational use, and are freely accessible to students.

The nucleus of the departments of zoölogy and botany was formed by the Shurtleff collection, collected by Simeon Shurtleff, M. D., and purchased by the University in 1868.

The Zoölogical Department received in the years between 1872 and 1881 most important accessions in liberal donations

and exchanges from the Smithsonian Institution, and in collections made by the curators on the coast of New England, through the facilities afforded by the United States Commissioner of Fish and Fisheries. Expeditions to Bermuda, Florida, and Newfoundland also added large and valuable collections. Valuable collections of insects were presented by Richard L. de Zeng in 1896, and by Mrs. E. K. Hubbard in 1898. In 1908 a fine collection of birds' nests, and a collection of alcoholic reptiles and amphibians, from Portland and Cromwell, was received from Mr. Charles H. Neff. At the death of Mr. Neff in 1911, his entire collection came as a legacy to the museum. The collection is rich in skins, mounted specimens, and eggs of the birds of Portland and vicinity. The zoölogical department includes about thirteen thousand species. The vertebrata of North America, the marine invertebrata of New England, and the mollusca in general, are especially well represented.

The Herbarium comprises about five thousand species, representing quite fully the flora of New England, and including also many specimens from foreign localities. The large collection of Joseph Barratt, M. D., came into the possession of the University in 1879. The herbarium of Rev. Merrill Hitchcock, B. A., including about 700 specimens, of which about 200 are from Connecticut, was presented to the museum in 1908.

The Mineralogical Department includes about three hundred and fifty species, and a much larger number of varieties. The Franckfort collection, purchased in 1858, contains many choice specimens, mostly from European localities. The minerals of the interesting region in which Middletown is situated are well represented by collections commenced by the labors of Professor Johnston (1835-1868), and largely increased in later years. Important accessions were obtained in 1899 by collecting trips to Nova Scotia and to Herkimer County, N. Y. The Sheldon collection, recently purchased, includes many beautiful and valuable specimens.

The Geological Department includes collections in lithology, physical geology, and paleontology. The lithological collection received in 1897 a valuable accession in the gift of a set of the educational series of rock specimens described in

Bulletin No. 150 of the U. S. Geological Survey, presented by the Survey. A suite of Ward's casts of fossils, presented by Orange Judd, M. A., in 1871, serves an excellent purpose in the work of instruction, affording the student a representation of many remarkable forms of ancient life, actual specimens of which are rare or unique. A valuable collection of Tertiary fossils was received in 1887 from the Smithsonian Institution, in exchange for duplicate shells from the Shurtleff collection. The collections in paleontology have been very largely increased since 1893 by the work of the late curator, S. Ward Loper, M. A., in the vicinity of Middletown, at Valcour Island, Lake Champlain, in western Maryland, in the vicinity of Chattanooga, Tenn., Cañon City and Florissant, Col., and Fossil, Wyo., and in Nova Scotia. Especially important among these accessions are the collections of fossil fishes and plants from the Triassic shales of the Connecticut valley, and of Tertiary fishes and plants from Fossil, Wyo., and Tertiary plants and insects from Florissant, Col. A choice collection of European fossils, including a number of beautiful specimens from the lithographic limestone of Solenhofen, was received in 1895 from the University Museum of Munich, in exchange for American fossils. The private collection of Mr. Loper, purchased for the museum in 1900, is very rich in fossil fishes and plants from the fossiliferous shales of the vicinity of Middletown.

The Ethnographical Department is especially rich in specimens illustrating the life of the Aborigines of North America. Important contributions of pottery, casts of implements, models of dwellings, and other objects have been received from the Smithsonian Institution. A very valuable collection of objects from burial mounds near Chattanooga, Tenn., was deposited in the museum in 1896 by A. R. Crittenden, and has since then been purchased. The private collection of Mr. Loper, purchased in 1903, contains many interesting Indian relics from the vicinity of Middletown. The collection of local Indian relics has been greatly increased by the legacy of Charles H. Neff in 1911. The department also possesses a valuable collection of pottery from the guano beds of Peru, presented by Joseph S. Spinney; an interesting collection of weapons and other objects from the South Sea Islands; a collection of relics from Assuan, Egypt, presented by

Clarence S. Wadsworth, B. A.; and valuable collections of objects illustrative of Chinese life and customs, presented by Rev. Marcus L. Taft, D. D., Mrs. W. W. Wilcox, Rev. John Gowdy, D. D., and Rev. Joseph Beech, D. D. The collection of coins numbers about 4,500, exclusive of duplicates. Included in this number is a collection of about 1,800 Chinese coins, some of which are ancient and very rare, presented by Rev. Marcus L. Taft, D. D. Other valuable collections of Chinese coins have been received from Rev. John Gowdy, D. D., and Rev. Joseph Beech, D. D. A valuable collection of Greek and Roman coins and facsimiles of such coins, historical medals, and copies of such medals, was presented to the museum in 1906 by Stephen H. Olin, LL. D. Additional specimens subsequently presented by Dr. Olin make the number of specimens in this collection more than 600. The greater part of the ethnographical collection is at present arranged in the lower hall of the museum, with the collections in mineralogy and geology. The coins (with the exception of the Olin collection and certain other special collections placed on exhibition in the museum) are kept in a case in the classical seminary room in Fisk Hall, where they can be seen by students and others on special application.

The following is an approximate statement of the number of specimens in the various departments of the museum:—

DEPARTMENT OF ZOÖLOGY.

Mammals—skins mounted and unmounted, - - -	225
alcoholic, - - - - -	50
skulls and skeletons, - - - - -	110
Birds—skins mounted and unmounted, - - - - -	2,000
nests and eggs, - - - - -	1,600
Reptiles, - - - - -	600
Amphibians, - - - - -	200
Fishes, - - - - -	2,100
Insects—pinned and alcoholic, - - - - -	6,500
nests, borings, etc., - - - - -	50
Crustacea, - - - - -	1,500
Worms, - - - - -	1,800
Mollusks—shells, - - - - -	90,000
alcoholic, - - - - -	4,000

WESLEYAN UNIVERSITY.

119

Echinoderms, - - - - -	1,000
Cœlentera, - - - - -	1,700
Sponges and protozoa, - - - - -	150

DEPARTMENT OF BOTANY.

Plants in herbarium, - - - - -	11,400
Specimens of wood, - - - - -	400
Miscellaneous botanical specimens, - - - - -	1,100

DEPARTMENTS OF MINERALOGY AND GEOLOGY.

Minerals and rocks, - - - - -	21,500
Fossils—Paleozoic, - - - - -	11,500
Mesozoic, - - - - -	3,700
Cenozoic, - - - - -	3,000

DEPARTMENT OF ETHNOGRAPHY.

Miscellaneous ethnographic specimens, - - - - -	4,400
Coins, - - - - -	6,800

The museum is open to the public on Wednesday and Saturday afternoons.

SCHOLARSHIPS.

TUITION SCHOLARSHIPS.

Each year the Trustees place at the disposal of the President, for the benefit of needy and worthy students, a sum of money which is used to pay, in whole or in part, the charge for tuition.

The heirs of Mr. Ralph Mead have transferred to the University the perpetual scholarship issued in his name. This scholarship, which is at the disposal of the President, exempts the holder from the charge for tuition.

In addition to these free tuition scholarships are the following:—

THE SQUIRE SCHOLARSHIP.

This scholarship was founded by Hon. Watson C. Squire, LL. D., of the class of 1859. In accordance with its provisions, the income of \$7,763 is awarded to that member of the Senior class who passes the best examination in Greek, provided that the successful candidate devote the ensuing year to classical study, in residence in the University, or in connection with travel or residence abroad, at his option, subject to the approval of the Committee on Graduate Instruction.

THE LOVELAND SCHOLARSHIP.

This scholarship was founded by Miss Louisa Loveland. The income of \$2,663 is available, at the discretion of the Faculty, for the use of a deserving student who needs pecuniary assistance. For this scholarship only such students as intend to devote themselves to the work of the Christian ministry in the Methodist Episcopal Church can be candidates.

THE JOHN EVANS SCHOLARSHIP.

This scholarship was founded by Mrs. Ann Evans in memory of her husband. The income of \$2,124 is given annually to that member of the Senior or Junior class who is named by

the Board of Trustees, or by some authority to whom they may delegate the nomination. For this scholarship only such students as are preparing themselves for the ministry, and are already licentiates in the Methodist Episcopal Church, can be candidates.

THE ACKLEY SCHOLARSHIP.

This scholarship was founded by Mrs. Helen E. Ackley. The income of \$2,000 is given annually to such young women among the undergraduates as in the opinion of the Board of Trustees are deserving of assistance.

SCHOLARSHIP FUNDS.

The income of the following scholarship funds is available, at the discretion of the President, to pay, in whole or in part, the tuition of deserving students who need pecuniary aid:

The Frank S. Jones Scholarship Fund, \$1,065, founded by Frank S. Jones, of Brooklyn, N. Y.

The Billings Scholarship Fund, \$3,695, founded by William Perry Billings, of Kingston, Pa.

The Shonk Scholarship Fund, \$5,348, founded by John J. Shonk and Mrs. Ida Shonk, of Plymouth, Pa., in memory of Hon. George W. Shonk, B. A., class of 1873.

The Starks Scholarship Fund, \$1,072, founded by Mrs. Elizabeth B. Starks, of Troy, N. Y.

The Philip Reynolds Scholarship Fund, \$1,071, founded by Philip Reynolds, of Brockton, Mass.

The Connell Scholarship Fund, \$3,130, founded by Hon. William Connell, of Scranton, Pa.

The Shepherd Scholarship Fund, \$3,163, founded by James G. Shepherd, of Scranton, Pa.

The Swift Scholarship Fund, \$11,484, founded by Mrs. Annie M. Swift, of Chicago, Ill., in memory of her husband, Gustavus F. Swift.

The George G. Reynolds Scholarship Fund, \$2,098, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y.

The Cyrus D. Jones Scholarship Fund, \$2,619, founded by Cyrus D. Jones, of Scranton, Pa.

The Harriet Townsend Reynolds Scholarship Fund, \$2,598, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his wife.

The Frank Reynolds Scholarship Fund, \$2,598, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his son, who graduated in 1868.

The Abigail Pennoyer Reynolds Scholarship Fund, \$2,569, founded by Hon. George G. Reynolds, LL. D., class of 1841, of Brooklyn, N. Y., in memory of his mother.

The Hubbard Scholarship Fund, \$10,315, founded by Miss Jennie M. Clarke, of Middletown, Conn., in memory of her uncle, Honorable Samuel Dickinson Hubbard, for many years a trustee of Wesleyan University.

The Montgomery Scholarship Fund, \$1,009, founded by the Rev. John E. Adams, D. D., of Patchogue, N. Y., Trustee of the Jane P. Fitch Benevolent Fund, in memory of Rev. James Montgomery.

The Mead Scholarship Fund, \$2,287, founded by Miss Elizabeth J. Mead, of Stamford, Conn., in memory of her father, Rev. Nathaniel Mead.

The Gunn Scholarship Fund, \$2,500, founded by Mrs. Mary C. Holman, of Hopkinton, Mass., and Mrs. Lillie G. Smith, of Washington, Conn., in memory of their father, Rev. Lewis Gunn.

LOAN FUND.

Besides the scholarships above mentioned, there is a small fund from which loans are made to deserving students in the Junior and Senior classes. These loans bear a moderate rate of interest and are payable usually after graduation.

COLLEGE HONORS.

PRIZES.

THE JOSEPH D. WEEKS PRIZE.—A prize of fifteen dollars is awarded for the best essay on some specified subject in the department of economics. The subject for the essay of 1912 is: *The Present Growth of Socialism, its Extent and Significance.* The essays must be left with the head of the department on or before the third Monday in May (May 20, 1912).

THE PEIRCE PRIZE.—A prize of ten dollars, the income of a fund given by Rev. Bradford K. Peirce, D. D., is awarded for excellence in natural science. It will be given in 1912 upon a special examination based on the course in bacteriology. The subject of the examination in 1913 will be geology; in 1914, chemistry.

THE PHI BETA KAPPA PRIZE.—A prize of twenty-five dollars, the gift of the Connecticut Gamma of Phi Beta Kappa, is awarded for excellence in Latin. It will be given in 1912 upon a special examination in the Odes and Epodes of Horace.

THE G. BROWN GOODE PRIZE.—A prize of ten dollars, the gift of Mrs. G. Brown Goode, is awarded for the best original investigation in the department of natural history.

THE JOHN BELL SCOTT PRIZE.—A prize of forty-five dollars, the income of a fund given by the late Charles Scott, is awarded for excellence in the modern languages. It will be given in 1912 to that member of the class in elementary Italian who shall pass the best examination in the life and works of Dante. In 1913 the prize will be given for special work in the department of German.

No person who has once taken either the Joseph D. Weeks, the Phi Beta Kappa, or the G. Brown Goode prize, may compete for it again.

THE WEEKS PRIZE.—A prize of fifteen dollars is awarded for excellence in modern philosophy. It will be given in 1912 for the best examinations in Courses IX. and X. in philosophy, and for additional work to be assigned by the instructor.

THE CAMP PRIZE.—A prize of twenty-five dollars, the income of a fund given in memory of Samuel T. Camp, is awarded for excellence in English literature. It will be given in 1912 upon a special examination in Course I. in English literature.

THE JOHNSTON PRIZE.—A prize of twenty-five dollars, the gift of Rev. David G. Downey, D. D., in memory of Professor John Johnston, is awarded for excellence in electricity. It will be given in 1912 upon a special examination based on Course VII. in physics.

THE SPINNEY PRIZE.—A prize of fifteen dollars is awarded for excellence in Greek. It will be given in 1912 for special work based in part on the first half of Course II. in Greek.

THE RICE PRIZE.—A prize of twenty dollars, given in memory of Rev. William Rice, D. D., is awarded for excellence in mathematics. It will be given in 1912 upon a special examination based on Course VII. in mathematics.

THE WALKLEY PRIZE.—A prize of twenty dollars, the income of a fund given by Webster R. Walkley, D.C.L.—*in memoriam* David Hart Walkley, born April 23, 1857; graduated June 27, 1878; died September 16, 1878,—is awarded for excellence in psychology. It will be given in 1912 for the best examination on the work of the elementary course in psychology, including the references and collateral readings.

Students who compete for either the Weeks, the Camp, the Johnston, the Spinney, the Rice, or the Walkley prize must do so during the year in which they regularly pursue the course or courses on which the examination for the prize is based.

THE PRENTICE PRIZE.—A prize of twenty-five dollars, given by Mrs. Elizabeth Brooks Prentice in memory of Professor George Prentice, is awarded to that member of the Senior class who excels in German. It will be given in 1912 upon a special examination based on Course X. in German.

THE SHERMAN PRIZE.—A prize of ten dollars, the income of a fund given by Rev. David Sherman, D. D., is awarded this year to that member of the Freshman class who excels in mathematics. It will be given upon a special examination based on Course II. in mathematics. No one will be eligible who has taken courses in the department more advanced than Course III. The subject of the examination in 1913 will be Latin; in 1914, Greek.

THE AYRES PRIZE.—A prize of forty-five dollars, the income of a fund given by Daniel Ayres, M. D., LL. D., is awarded to that member of the Freshman class who is found upon a special examination, held shortly after the beginning of the college year, to have attained the highest excellence in the following studies: Latin, Greek, English, ancient history and geography, mathematics.

THE RICH PRIZE.—A prize of thirty dollars, the income of a fund given by Isaac Rich, in memory of his wife, is awarded to that member of the Senior class whose oration at Commencement is deemed best in composition and delivery. These orations must not exceed twelve hundred words in length, and must be left with the Professor of English Literature on or before the second Tuesday preceding Commencement (June 11, 1912).

THE OLIN PRIZE.—A prize of sixty-five dollars, the income of a fund given by Mrs. Julia M. Olin, and increased by Stephen Henry Olin, LL. D., is awarded to that member of the Senior class who excels in English composition. The subject for the essay of 1912: Count Leo Tolstoi. The subject for the essay of 1913: Wisdom and Unwisdom in the Teaching of John Ruskin. Essays must be left with the Professor of English Literature on or before the first Monday of the third term (April 15, 1912).

JUNIOR EXHIBITION PRIZES.—Two prizes, of twenty and fifteen dollars respectively, are awarded to the two members of the Junior class who present the best orations at the annual Junior Exhibition. In the award of these prizes, both the composition and the delivery of the orations are considered. The orations must be left with the Professor of the English Language on or before the first Saturday of the third term (April 13, 1912).

THE COLE PRIZE.—A prize of thirty-five dollars, the gift of George Henry Walker, B. S., in memory of Charles Edward Cole, is awarded to that member of the Sophomore class who maintains the highest standing in English composition from the mid-year period of his Freshman year to the end of his Sophomore year.

THE BRIGGS PRIZE.—A prize of sixty-five dollars, the income of a fund given by James E. Briggs, is awarded to the student who excels in debate. No person who has once taken the Briggs prize may compete for it again.

THE CALEF PRIZE.—A prize of fifty dollars, the gift of Samuel P. Calef, in memory of Hon. Arthur B. Calef, is awarded as a first prize to that member of the Junior or Sophomore class who excels in declamation. In the competition for this prize the selections rendered must be of a forensic character.

THE PARKER PRIZE.—A prize of ten dollars, the income of a fund given by Rev. John Parker, is awarded in the same classes, as a second prize for excellence in declamation.

THE HIBBARD PRIZE.—A prize of ten dollars, the gift of Ralph B. Hibbard, Ph. B., in memory of Professor Ralph Guernsey Hibbard, is awarded to that member of the Freshman class who excels in declamation.

THE TAYLOR PRIZE.—A prize of ten dollars is awarded to the student who presents the best English poem. The poem must be left with the Professor of English Literature before the annual examinations.

Competition for the Rich prize, the Junior Exhibition prizes, the Briggs prize, the Calef prize, the Parker prize, and the Hibbard prize, is limited to men.

The several committees of award will withhold any prize, if, in their judgment, none of the exercises presented in competition for it possess the requisite merit.

AWARD OF PRIZES, 1910-1911.

The Joseph D. Weeks Prize, to WESLEY EVERETT RICH, 1911.

The Peirce Prize, to HARRY FLETCHER LEWIS, 1912.

Committee of Award:—Professor Arthur John Hopkins, Ph.D., of Amherst College.

The Phi Beta Kappa Prize, to EUGENE SHEPARD CLARK, 1913.

Committee of Award:—Professor Charles Upson Clark, Ph.D., of Yale University.

The John Bell Scott Prize, to FALES NEWHALL, 1911.

Committee of Award:—Professor Camillo von Klenze, Ph. D., of Brown University.

The Weeks Prize, to WILLIAM CRAWFORD JUDD, 1911.

The Camp Prize, to PAUL BURT, 1913.

The Johnston Prize, to HAROLD PUTNAM FROST, 1911.

The Spinney Prize, to ERLUND KENNETH FRENCH, 1913.

The Rice Prize, to CYRUS WESLEY MARSHALL, 1913.

The Walkley Prize, to FAITH BONFOEY, 1912.

The Wise Prize, to HAROLD PUTNAM FROST, 1911.

The Prentice Prize, to MARGARET ANNA DUTTING, 1911.

Committee of Award:—Allen Wilson Porterfield, M. A., of Columbia University.

The Sherman Prize, to BREWSTER HAWKINS JONES, 1914.

The Ayres Prize, to HAROLD RIDEOUT WILLOUGHBY, 1915, prepared at Tilton Seminary.

The Rich Prize, to HENRY MERRITT WRISTON, 1911.

Committee of Award:—Chancellor William Waugh Smith, LL. D., of Randolph Macon College; Rev. Rockwell Harmon Potter, B. D., of Hartford; and George Clare St. John, M. A., of the Choate School, Wallingford.

The Olin Prize, to GEORGE CRESS MAHLE, 1911.

The Foss Prize, to MARGARET ANNA DUTTING, 1911.

The Cole Prize, to RAYMOND VOORHEES BROKAW, 1913.

The First Junior Exhibition Prize, to CARL SCOTT COIT, 1912.

Committee of Award:—Joseph Henry McIntyre, B. A., William Walter Wilcox, B. A., and Professor Anthon Temple Gesner, M. A., of the Berkeley Divinity School.

The Second Junior Exhibition Prize, to LAWRENCE ELWOOD ROTHROCK, 1912.

Committee of Award:—Same as for the First Junior Exhibition Prize.

The Briggs Prize, to WILLIAM RANDOLPH MONTGOMERY, 1911.

Committee of Award:—M. Eugene Culver, M. A., Arthur Lee Allin, and Dr. Paul Curts.

The Calef Prize, to HENRY HITT CRANE, 1913.

Committee of Award:—Francis Asbury Beach, George Arbuckle Craig, and Arthur Frederick Goodrich, Ph. B.

The Parker Prize, to JAMES ESMOND STILES, 1913, and JAMES HERMAN KLEIN, 1912.

Committee of Award:—Same as for the Calef Prize.

The Hibbard Prize, to MANUEL MATIENZO, 1914.

Committee of Award:—Same as for the Calef Prize.

The Taylor Prize, to JAMES RAYMOND SIMMONS, 1911.

APPOINTMENTS FOR JUNIOR EXHIBITION AND COMMENCEMENT.

The Junior Exhibition is held on the third Thursday evening of the spring term (April 25, 1912). The speakers are selected from the men of the Junior class according to their grade in composition subsequent to the Freshman year and by means

of a special contest in declamation. The selection of speakers for Commencement, from the men of the Senior class, is determined by their grade in the rhetorical exercises of the Junior and the Senior year and by a special contest in declamation. The number of speakers at each of these public exercises is limited to eight.

The speakers last year were:—

JUNIOR EXHIBITION.

George Landon Buck,	Anton Frederick Haus,
Carl Scott Coit,	Henry Virginius Leonard,
Richard William Eaton,	Lawrence Elwood Rothrock,
Edgar Watters Wallis.	

COMMENCEMENT.

Frank Chaplain Brodhead,	William Randolph Montgomery,
Harold Putnam Frost,	Constantine Marius Panunzio,
Franklin Seymour Garman,	James Raymond Simmons,
George Cress Mahle,	Henry Merritt Wriston.

HONORS IN SCHOLARSHIP.

I. HONORS IN GENERAL SCHOLARSHIP.—Two grades of honor, designated respectively as honors and high honors, are conferred at graduation, based upon the general scholarship of the student throughout his whole course.

An honor in general scholarship is awarded to a student who has received a grade not below third on an aggregate of not less than 56 hours' work, as reckoned in the record of standings, has received first grade on a number of hours' work not less than the part of the 56 hours' work on which he has received third grade, and has not fallen below fourth grade in any study of the course.

A high honor in general scholarship is awarded to a student who has received a grade not below second on an aggregate of not less than 56 hours' work, has received first grade on an aggregate of not less than 46 hours' work, and has not fallen below third grade in any study of the course.

II. **PRELIMINARY HONORS.**—Preliminary honors are awarded in the departments of classics and of mathematics at the end of the Sophomore or Junior year, and no student can receive special honors at graduation in Greek, Latin, or mathematics, who has not previously received the corresponding preliminary honors. Notice of candidacy for preliminary honors must be given to the senior officer of the department, and to the Secretary of the Faculty, as early as the first Monday of the third term of the year in which the candidate intends to present himself for the special examination (April 15, 1912). The case of each candidate is decided by the Faculty. The special regulations concerning the award of preliminary honors are as follows:—

Classics.—1. The candidate must not fall below third-grade, and must maintain an average standing of second grade, in the following courses:—I., I.A, II., and either III. or IV. Greek, and I., I.A, two of Courses II.-V., and any one of Courses VI., XVI., and XVII. in Latin.

2. He must also pass with distinction a special examination, held near the end of the academic year, and designed to test (*a*) his ability to translate Greek and Latin into English at sight, and (*b*) his knowledge of Greek and Latin grammar, and of Greek and Roman antiquities, mythology, and political and literary history.

Mathematics.—1. The candidate must not fall below third grade, and must maintain an average standing of second grade, in such courses in mathematics, amounting to not less than nine hours a week, as may be approved by the head of the department.

2. He must pass with distinction a special examination held near the end of the academic year, which may cover the entire field of his mathematical knowledge.

III. **HONORS IN SPECIAL DEPARTMENTS AT GRADUATION.**—Two grades of special honor, designated respectively as honors and high honors, are awarded at graduation in each of the following departments:—

Latin; Greek; German; Romance Languages; English; History; Economics and Social Science; Philosophy; Mathematics; Physics; Chemistry; Geology; Biology.

The conditions upon which special honors in these departments are awarded are as follows:—

(1) The candidate must apply to the officer in charge of the department in which he desires to take honors, and to the Secretary of the Faculty, not later than the first Monday of the third term in the Junior year (April 15, 1912).

(2) He must pass at the regular or special examinations in such studies of the college course as are prescribed for honors in the several departments in the schedule given below; and in such studies he must not fall below third grade, and must maintain an average standing of second grade after the beginning of the Sophomore year, or must receive first grade in all of the prescribed studies which he takes after the beginning of the Junior year.

(3) In addition to the studies regularly prescribed in the schedule below, the candidate must pursue such a course of collateral reading or investigation as is prescribed by the officer in charge of the department, with the approval of a committee of the Faculty. The evidence of his proficiency in this collateral course is given by an examination, oral or written, by a thesis or essay, by the exhibition of scientific specimens, preparations, or processes, or by two or more of these methods combined, as may be prescribed by the officer of the department, with the approval of a committee of the Faculty. The case of each candidate is decided by the Faculty.

(4) In addition to other requirements, every candidate for special honors is required to pass a *general examination* covering the entire field of his knowledge in the department in which the honor is given. This examination is oral, and is conducted in the presence of a committee of the Faculty.

(5) No student is awarded special honors who fails to pass in any study of the last two years of the course.

(6) No examination for special honors is given, and no thesis or other work in preparation for special honors is received, after the second Saturday preceding Commencement (June 8, 1912).

The conditions upon which high special honors are awarded are the same as for special honors, with the addition of the following requirements:—

The candidate must receive first grade in all of the prescribed studies which he takes after the beginning of the Sophomore year, and his examinations and other tests must show an exceptionally clear and comprehensive understanding of the studies of the department, and give promise of capacity for independent work.

The following schedule gives the studies required of candidates for special honors in the several departments:—

Latin.—1. So many of the courses in Latin as will amount in the aggregate to not less than sixteen hours a week.

2. Courses I., I.A., II., and either III. or IV., in Greek.

[Candidates for special honors in Latin at graduation are requested to announce their candidacy as early as the beginning of the Junior year.]

Greek.—1. Courses I.–VII. in Greek, and not less than three hours in courses approved by the Committee on Special Honors.

2. Courses I., I.A., and two of Courses II.–V., in Latin.

German.—1. Courses I.–IV., IX.–XII., and one of Courses V., VI., and VII., in German.

2. Courses I. and II. in French.

3. Course I. in English literature, or Course IV. in English language.

Romance Languages.—1. Courses I.–VI. in French, and any two other courses in Romance languages.

2. Courses I. and II. in German.

English.—1. The required courses in English, including composition.

2. One of the following groups of elective courses:—

(a) Five courses in English literature; Course IV. or Course VI. in English language; two courses in French, or two courses in German.

(b) Four courses in English language; two courses in English literature; two courses in German and one course in French, or two courses in French and one course in German.

History.—1. All the courses in history.

2. Any three courses in economics and social science.

Economics and Social Science.—1. All the courses in economics and social science.

2. Course I., and either Course II. or Course III., in history.

Philosophy.—One of the following groups of courses:

(a) Courses I.-IV. and VI.-XI. in philosophy, the course in ethics, and the course in theism.

(b) Courses I.-V. and VII.-X. in philosophy, and Courses IV. and VIII. in biology.

Mathematics.—1. Courses in mathematics and astronomy amounting in the aggregate to not less than nineteen hours a week.

2. Course I. in physics.

[Prospective candidates for special honors in mathematics at graduation are advised to take Course VII. in mathematics in the Sophomore year.]

Physics.—1. Course I. in physics.

2. Two years of practical physics, amounting in the aggregate to not less than five hours a week.

3. Not less than the equivalent of nine hours per week for a year, chosen from Courses III., IV., V., VI., VII., IX., and X. in physics, and Course XIII. in mathematics.

4. Courses I. and II. in chemistry.

5. Course VII. in mathematics.

Chemistry.—1. Courses I.-III., V. (three periods), VI., XIV., and XV. in chemistry.

2. (a) Courses VIII., X., and XI. in chemistry, Course I. in physics, and one year of practical physics; or (b) Courses V. (a fourth period), VII., and XII. in chemistry, and Courses IV. and V. in biology.

Geology.—1. Courses I.-VI. in geology.

2. The course in descriptive astronomy.

3. Courses II. and III. in biology.

4. Not less than two of the following courses:—V., VI., VII., and VIII. in biology, II. and III. in chemistry, and IV. in physics.

Biology.—1. Courses I.-IV. in biology.

2. Two years of practical biology (in at least one of which there shall be three exercises a week).

3. Courses I. and II. in geology.

4. Course I. in chemistry.

5. Either Courses II. and III. in chemistry, or Course IV. in geology.

[Candidates for special honors in biology are recommended to take at least one summer course in a marine laboratory.]

In all cases in which the foregoing schedule allows option between two or more courses or groups of courses, the student's selection is subject to the approval of the head of the department in which he desires to take honors.

In special cases a candidate for honors may be allowed to substitute other courses for those named in the foregoing schedule, by vote of the Faculty, on recommendation of the head of the department.

An honor of any of the kinds and grades mentioned may be conferred on a student sufficiently meritorious, by vote of the Faculty, even though his record of standing does not completely fulfill the requirements stated above.

The names of those students who take preliminary honors are announced at the public service held in Memorial Chapel on the Monday preceding Commencement (June 17, 1912).

The names of students who take honors at graduation, whether general or special, are printed on the Commencement program.

AWARD OF HONORS, COMMENCEMENT, 1911.

HONORS IN GENERAL SCHOLARSHIP.

HIGH HONORS.

Harold Putnam Frost, George Cress Mahle,
Margaret Anna Dutting.

HONORS.

John Wesley Edward Bowen, Jr.,	Elwyn Clark Parlin,
Robert Warren Conover,	Wesley Everett Rich,
William Crawford Judd,	William George Shute,
Willard Potter Lewis,	William David Steckley,
Frank Raymond Marsh,	Robert Williams,
Leonard Amby Maynard,	Henry Merritt Wriston.
William Randolph Montgomery,	

Theresa Louise Say.

HONORS IN SPECIAL DEPARTMENTS.

HIGH HONORS.

German.

Margaret Anna Dutting. The Romantic School in Germany.
Thesis: "Romanticism in German Literature from 1798 to
1820; a General Sketch of its Development and Tendencies."

HONORS.

English.

Robert Warren Conover. The Writings of Arthur Hugh
Clough. Thesis: "Clough as the Poet of Religious
Question."

DEGREES.

The following degrees are conferred by the University in course: Bachelor of Arts (B. A.), Bachelor of Science (B. S.), Master of Arts (M. A.), Master of Science (M. S.).

THE BACHELOR'S DEGREE.—The degrees of Bachelor of Arts and of Bachelor of Science are conferred on those who have met the requirements for admission to the respective courses as set forth on page 30, and have taken the required quota of studies in college, as prescribed on pages 94-96.

The baccalaureate degree is awarded *summa cum laude* to a student who takes high honors both in general scholarship and in one or more departments; *magna cum laude*, to a student who takes a high honor either in general scholarship or in one or more departments; *cum laude*, to a student who takes an honor either in general scholarship or in one or more departments.

THE MASTER'S DEGREE.—The degrees of Master of Arts and Master of Science are conferred in accordance with the following regulations:—

1. The degree of Master of Arts is conferred upon Bachelors of Arts of Wesleyan University, of at least one year's standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued in residence for a period of not less than one year.* This course of study is under the full direction of a Committee of the Faculty on Graduate Instruction, composed of three permanent members with the

* Candidates for the Bachelor's degree may, in their Senior year, be admitted to study for the Master's degree, and may count the year as satisfying the requirement of one year's study in residence, provided that the amount of their undergraduate work remaining to be completed at the close of the September special examinations does not exceed four hours. The Master's degree is not conferred, however, on such candidates until the Commencement succeeding that at which the Bachelor's degree has been conferred.

addition of the instructor in charge of each department in which the candidate pursues work.

Bachelors of Philosophy of Wesleyan University who apply for the Master's degree are eligible for the degree of Master of Arts.

2. In the case of Bachelors of Arts of other colleges whose course of study is accepted by the Committee on Graduate Instruction, or who pass such additional examinations as the Committee may prescribe, the degree of Master of Arts is conferred on the conditions prescribed in the case of Bachelors of Arts of Wesleyan University pursuing a course of study in residence.

3. The degree of Master of Arts is also conferred upon Bachelors of Arts of Wesleyan University, of at least three years' standing, at the satisfactory conclusion of a course of advanced, non-professional study, pursued *in absentia*, and equivalent in amount to that prescribed in the case of resident graduate students; and in all other particulars the same regulations hold in the case of non-resident as in the case of resident students. The degree is also conferred upon Bachelors of Arts of Wesleyan University, of two years' standing, at the satisfactory conclusion of a course of study pursued *in absentia*, on the conditions above specified, provided that the candidate has spent the two years in resident study in a non-professional department of some other university.

4. The degree of Master of Science is conferred upon Bachelors of Science of Wesleyan University, and upon graduates of other colleges holding an equivalent degree, under the same conditions which govern in the case of the degree of Master of Arts.

5. Bachelors of Science of Wesleyan University, and graduates of other colleges holding a Bachelor's degree other than that of Bachelor of Arts, who pass such examinations in Greek or Latin, and in other literary studies, as the Committee on Graduate Instruction may prescribe, are admitted to the degree of Master of Arts on the conditions prescribed in the case of Bachelors of Arts.

6. A fee of five dollars (payable to the Secretary of the Committee) is required of every candidate for the Master's

degree at his enrolment; and a fee of ten dollars (payable to the Assistant Treasurer of the University) is required when the degree is conferred.

7. Evidence of the candidate's proficiency in the approved course of study is given in one or more of the following ways, as the Committee may prescribe: (*a*) by examinations, oral or written; (*b*) by a thesis; (*c*) by the exhibition of scientific specimens, preparations or processes. All such tests of proficiency are under the direction of the Committee, and they report to the Faculty proper candidates for the degree.

In addition to these regulations of the Trustees, the Committee on Graduate Instruction has from time to time adopted standing rules of procedure, among which the following should be noted as specially important:—

Whatever other tests of proficiency may be prescribed, each candidate for the Master's degree is required to pass an oral examination in the presence of the Committee, upon the whole, or a previously specified part, of his course of study.

All examinations, of non-resident as well as of resident candidates, are conducted at the University.

Unless the Committee, for important reasons, determines otherwise in some specific case, no examinations will be given (except in regular college courses), and no thesis or other work prescribed in preparation for the degree will be received, later than the second Saturday before Commencement in the academic year in which the candidate desires to be recommended for the degree (June 8, 1912).

No time-limit is generally fixed within which courses for the Master's degree must be completed. But candidates who have not completed their work at the expiration of six years from the date of their enrolment must renew their enrolment, if they wish to continue their courses. For such renewal no fee will be required.

A complete statement of these rules may be obtained by applying to the Secretary of the Committee on Graduate Instruction (in care of the Office of the University, South College), to whom also all communications from prospective candidates should, in the first instance, be addressed.

DEGREES CONFERRED, JUNE 21, 1911.



DEGREES IN COURSE.

The Degree of Bachelor of Arts was conferred on:—

William David Anderson,	Leonard Amby Maynard,
Francis David Andrews,	William Randolph Montgomery,
John Wesley Edward Bowen, Jr.,	Joe Morningstar, Jr.,
Frank Chaplain Brodhead,	Fales Newhall,
Harvey Franklin Connor,	Constantine Marius Panunzio,
Robert Warren Conover,	William Edwin Parker,
Wilfred Lowrey Cook,	Howard William Reynolds,
Wesley Morton Davis,	Wesley Everett Rich,
Ferdinand W. G. Fenderson,	Franklin Robbins,
Frank Gerald Flood,	Charles Morton Sherburne,
Abraham Lincoln Fretz,	James Raymond Simmons,
Harold Putnam Frost,	Harry Seger Slifer,
Franklin Seymour Garman,	Frank Lewis Soule,
Harrison Claude Hardy,	William David Steckley,
David Dallas Jones,	Harold Ackerman Storms,
Vincent Weaver Jones,	Andrew Reed Sutherland,
William Crawford Judd,	Ralph Schofield Thompson,
Willard Potter Lewis,	Robert Williams,
Bertram Malcolm McBride,	Alling Woodruff,
George Cress Mahle,	Henry Merritt Wriston.
Katharine Strong Bielby,	Theresa Louise Say,
	Ruth Elizabeth Snow.

The Degree of Bachelor of Science was conferred on:—

Frank Twitchell Davis,	Elwyn Clark Parlin,
Robert Garrett De Bow,	Walter Edmond Robson,
Burton Leroy Mallory,	William George Shute,
Frederic Elmer Mansfield,	Le Roy Wood,
Frank Raymond Marsh,	Arthur Moulton Wright.

Margaret Anna Dutting.

The Degree of Bachelor of Arts, *nunc pro tunc*, was conferred on:—

Henry Bascom Brown, class of 1859.

Benjamin Hicks Cheney, class of 1859.

Samuel Mather Mansfield, class of 1859.

Samuel Proal Hatfield, class of 1862.

The Degree of Master of Arts on examination was conferred on:—

Ernest Francis Amy, B. A., 1909. Subject: English. Thesis: "Religious Influences upon Clough and Arnold, as seen in their Poetry."

Clara Catharine Angus, B. A., 1910. Subjects: French and English. Thesis: "The Origin, Development, and Characteristic Features of the French Arthurian Romances."

Robert Parsons Bridge, B. A., 1910. Subjects: French, English, and Latin. Thesis: "The Chansons de Geste and their Influence, with Special Reference to the Sources of Ariosto's Orlando Furioso."

Willis Alexander Gibbons, B. A., 1910. Subject: Chemistry. Thesis: "The Electrochemical Oxidation of Hydrazine."

Marion Wilson Greene, B. A., 1910. Subjects: French, English, and Latin. Thesis: "The French Arthurian Romances, with Special Reference to their Influence on English Literature."

Oscar Fred Hedenburg, B. A., 1909. Subject: Chemistry. Thesis: "Nozzle Expansion at High Temperatures and Pressures."

Herbert Parsons Patterson, B. A., 1908. Subjects: Philosophy and English Literature. Thesis: "Plato's Theory of Ideals."

The Degree of Master of Science on examination was conferred on:—

William Bannister Alexander, B. S. (University of Maine), 1907. Subject: Chemistry. Thesis: "Action of Ammonia upon Ammonium Sulfocyanate."

HONORARY DEGREES.

The Degree of Doctor of Divinity was conferred on:—

Joseph Beech, Ph. B., 1899.

Jacob Augustus Cole, B. A., 1887.

Andrew Gillies, B. A., 1895.

James Edward Holmes, Superintendent of the Brooklyn and
Long Island Church Society.

Charles Otis Judkins, B. A., 1895.

The Degree of Doctor of Science was conferred on:—

Francis Gano Benedict, Director of the Nutrition Laboratory
of the Carnegie Institution, Boston, Mass.

The Degree of Doctor of Laws was conferred on:

Watson Carvosso Squire, B. A., 1859.

PUBLICATIONS.

Through the liberality of Orange Judd, M. A., a Biographical Record of the Alumni of the University was published in 1869. A fourth edition of this Record, revised and corrected, was issued in June, 1911. This edition contains not only the record of alumni, revised and corrected to the date of publication, but also a list of all former students not graduates, with their residences, and such other information with reference to them as the most thorough search could obtain. It includes also a brief account of the honorary alumni and the members of the Faculty not graduates of Wesleyan. Copies of this edition may be had upon application to the librarian, W. J. James. The price of the Record, postage prepaid, is \$2.00 (paper), \$2.50 (cloth).

Information in regard to changes of address of alumni or non-graduates, or in regard to any other facts suitable for future editions of the Record, is earnestly solicited. All who can furnish such information are requested to communicate with Professor F. W. Nicolson, Secretary of the Faculty.

WESLEY BICENTENNIAL.—A memorial volume was issued early in 1904 containing a full record of the celebration of the bicentennial anniversary of the birth of John Wesley by Wesleyan University at the Commencement of 1903. The book was printed by Theo. L. DeVinne & Co., of New York. It contains over 250 pages, and includes a general account of the celebration, the full text of all the addresses delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of degrees, honorary and in course, and of nearly six hundred alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds,

with two excellent portraits of John Wesley, and with portraits of the principal speakers. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.50, postage prepaid.

SEVENTY-FIFTH ANNIVERSARY.—A memorial volume, descriptive of the celebration of the seventy-fifth anniversary of the founding of Wesleyan University, held during the Commencement week of 1906, was published in June, 1907. The volume contains a full account of all the proceedings, including the text of all the addresses, a list of the alumni attending the celebration, a list of degrees conferred, etc., and is illustrated with pictures relating to the history of the University. The historical address by Professor William North Rice and the pictures of the college, old and new, are of peculiar interest to all former students. The volume is published in a form in keeping with the interesting and valuable record it contains. Applications for the memorial volume should be sent to the Librarian of Wesleyan University. Price \$1.00, postage prepaid.

INSTALLATION VOLUME.—A volume entitled *The Installation of William Arnold Shanklin, L. H. D., LL. D., as Ninth President of Wesleyan University*, was published in 1910. Besides an introductory account of the exercises, the book contains a verbatim report of all the speeches delivered at the various exercises of the day, reproductions of all programs and other printed matter connected with the occasion, and lists of the Trustees, Faculty, delegates, invited guests, and alumni who were in attendance. A portrait of President Shanklin forms the frontispiece. The volume contains 154 pages and is neatly bound in dark red cloth. Copies may be obtained from the Librarian of the University at one dollar each.

BULLETIN.—The *Bulletin* was first issued in 1888, and has since been published twice a year (usually in May and December), under the direction of a committee of the Faculty. It contains accounts of Trustee and alumni meetings, lists of recent gifts, statements of the most urgent needs of the University, changes in the Faculty and courses of study, department notes, and various other matters of interest to the

alumni and friends of the institution. It is sent to the Trustees and alumni, and may be obtained by other friends of the University upon application to the Secretary of the Faculty.

PICTURE OF THE COLLEGE.—A photogravure in sepia, fifteen by twenty-eight inches, showing the college campus and most of the college and fraternity buildings, has been published by W. T. Littig & Co., of New York. The college has a number of copies of the picture for sale to alumni and others. Price \$5.00 each. Orders should be sent to Professor F. W. Nicolson, Secretary of the Faculty.

NECROLOGY.—A list of deceased graduates of the University is published annually in the Spring *Bulletin*. All persons who can supply information for future lists are urgently requested to communicate the same to Professor F. W. Nicolson, Secretary of the Faculty.

ALUMNI ASSOCIATIONS.

ALUMNI COUNCIL.

Chairman—Edward Arthur Wilkie, '76, Boston, Mass.

Secretary pro tempore—George Imlay Bodine, Jr., '06, Box 624, Philadelphia, Pa.

GENERAL ALUMNI ASSOCIATION.

President—George Carr Round, '62, Manassas, Va.

Corresponding Secretary—William John James, '83, Middletown.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.

President—Franklin Thomas Kurt, '95, Boston, Mass.

Secretary—Gordon Clark Douglass, '08, 164 Harvard St., Brookline, Mass.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.

President—Gordon Clark Douglass, '08, Brookline, Mass.

Secretary—Edgar Adamson Butters, '08, 77 Summer Street, Boston, Mass.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.

President—Augustus Burr Carrington, '76, New York, N. Y.

Secretary—John Tiebout Hancock, '09, 184 Madison St., Brooklyn, N. Y.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.

Secretary—Ralph Walter Rymer, '00, 507 Connell Building, Scranton, Pa.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.

President—Wilbur Fisk Randall, '80, New York, N. Y.

Secretary—Arthur T. Vanderbilt, '10, 14 N. 9th St., Newark, N. J.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.

President—Harry Arthur Thompson, '93, Philadelphia, Pa.

Secretary—Guy Wright Rogers, '06, 129 South Fourth St., Philadelphia, Pa.

WESLEYAN ALUMNI ASSOCIATION OF THE MIDDLE WEST.

President—Abram Winegardner Harris, '80, Evanston, Ill.

Secretary—John Edwin Wing, '00, 72 W. Adams St., Chicago, Ill.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.

President—Charles Melville Parker, '68, Pasadena, Cal.

Secretary—Ernest Perley Clarke, '85, Riverside, Cal.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.

President—Charles Dayton Woods, '80, Orono, Me.

Secretary—William Ernest Leighton, '09, 36 Vesper St., Portland, Me.

WESLEYAN ALUMNI ASSOCIATION OF CENTRAL NEW YORK.

President—Edmund Mead Mills, '72, Syracuse, N. Y.

Secretary—Clarence Eugene Hancock, '06, 1406 E. Genesee St., Syracuse, N. Y.

WESLEYAN ALUMNI ASSOCIATION OF WASHINGTON, D. C.

President—Martin Augustine Knapp, '68, Washington, D. C.

Secretary—Edward William Thompson, '98, 1601 Connecticut Ave., Washington, D. C.

WESLEYAN ALUMNI ASSOCIATION OF EASTERN NEW YORK.

President—Daniel Leslie Robertson, '78, Glens Falls, N. Y.

Secretary—Robert Edwin Nivison, '00, Schenectady, N. Y.

EMPLOYMENT BUREAUS.

An employment bureau is maintained in the office of the Secretary of the Faculty, for the purpose of securing positions as teachers for graduates of the college. Those who wish to avail themselves of the opportunity thus offered are invited to register; and the alumni and friends of the college are urgently requested to inform the Secretary of any vacancy coming to their notice which might be filled by a Wesleyan graduate.

An employment bureau is maintained by the Young Men's Christian Association through which needy undergraduates are aided in securing employment during the college year and the summer vacation. Those who wish to avail themselves of this opportunity are invited to register. Alumni and friends of the college are requested to inform the General Secretary of any vacant positions which might be filled by Wesleyan men. No fees are charged in either bureau.

CALENDAR.

1911.

Sept. 21. Thursday, 9 A. M.—First term begins.

Nov. 29-Dec. 2. Thanksgiving recess.

Dec. 20. Wednesday—First term ends.

Last day for presenting applications for winter special examinations.

CHRISTMAS RECESS.

1912.

Jan. 4. Thursday—Second term begins.

Jan. 22-Feb. 3. Mid-year examinations.

Feb. 22. Thursday—Washington's Birthday—a holiday.

Mar. 7. Thursday—Prize Debate.

April 2. Tuesday—Second term ends.

Last day for presenting applications for spring special examinations.

SPRING RECESS.

April 10. Wednesday—Third term begins.

April 13. Saturday—Last day for presenting Junior Exhibition essays.

April 15. Monday—Last day for presenting Olin Prize essays.

April 15. Monday—Last day for presenting applications for preliminary and special honors.

April 25. Thursday—Junior Exhibition.

May 20. Monday—Last day for presenting Joseph D. Weeks Prize essays.

May 23. Thursday—Prize declamation contest.

May 30. Thursday—Memorial Day—a holiday.

May 31. Friday—Annual examinations begin.

June 8. Saturday—Last day for presenting special honor theses, and for special honor examinations.

June 8. Saturday—Last day for presenting Master's theses, and for examinations for the Master's degree.

- June 11. Tuesday—Last day for presenting Rich Prize essays.
June 16. Sunday morning—Baccalaureate sermon.
June 16. Sunday evening—University sermon.
June 17-22. Examinations of College Entrance Examination Board.
June 17. Monday morning—Business meeting of the Phi Beta Kappa Society.
June 17. Monday morning—Announcement of award of prizes and of preliminary honors.
June 17. Monday afternoon—Class Day.
June 17. Monday evening—Meeting of the Board of Trustees.
June 18. Tuesday morning—Meeting of the Board of Trustees.
June 18. Tuesday morning—Business meeting of the Alumni Association.
June 18. Tuesday afternoon—Social receptions by the college fraternities.
June 19. Wednesday—COMMENCEMENT.

VACATION OF THIRTEEN WEEKS.

- Sept. 17. Tuesday—Special examinations for students deficient at the annual examinations.
Sept. 18-19. Examination of candidates for admission.
Sept. 19. Thursday, 9 A. M.—First term begins.

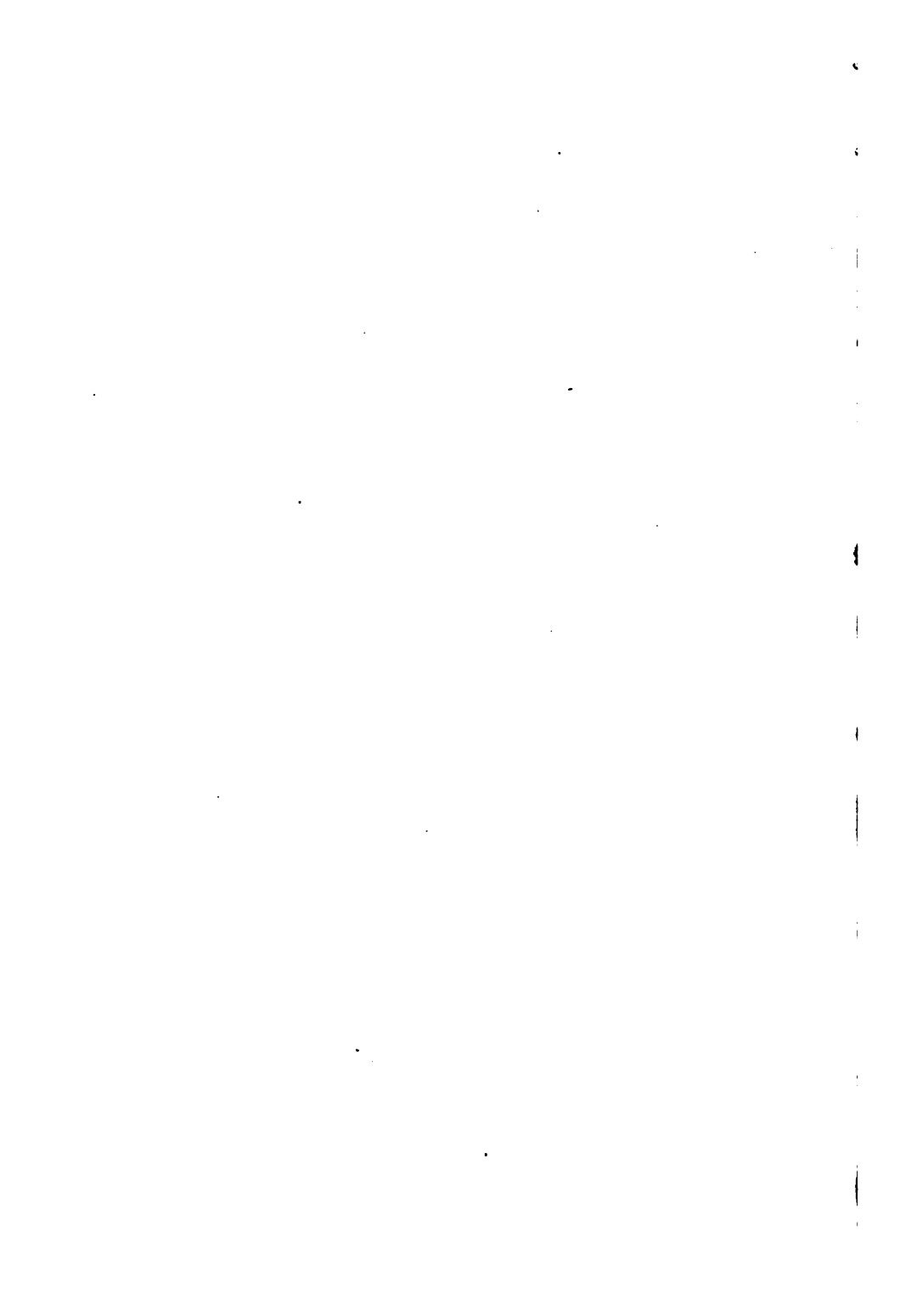
INDEX.

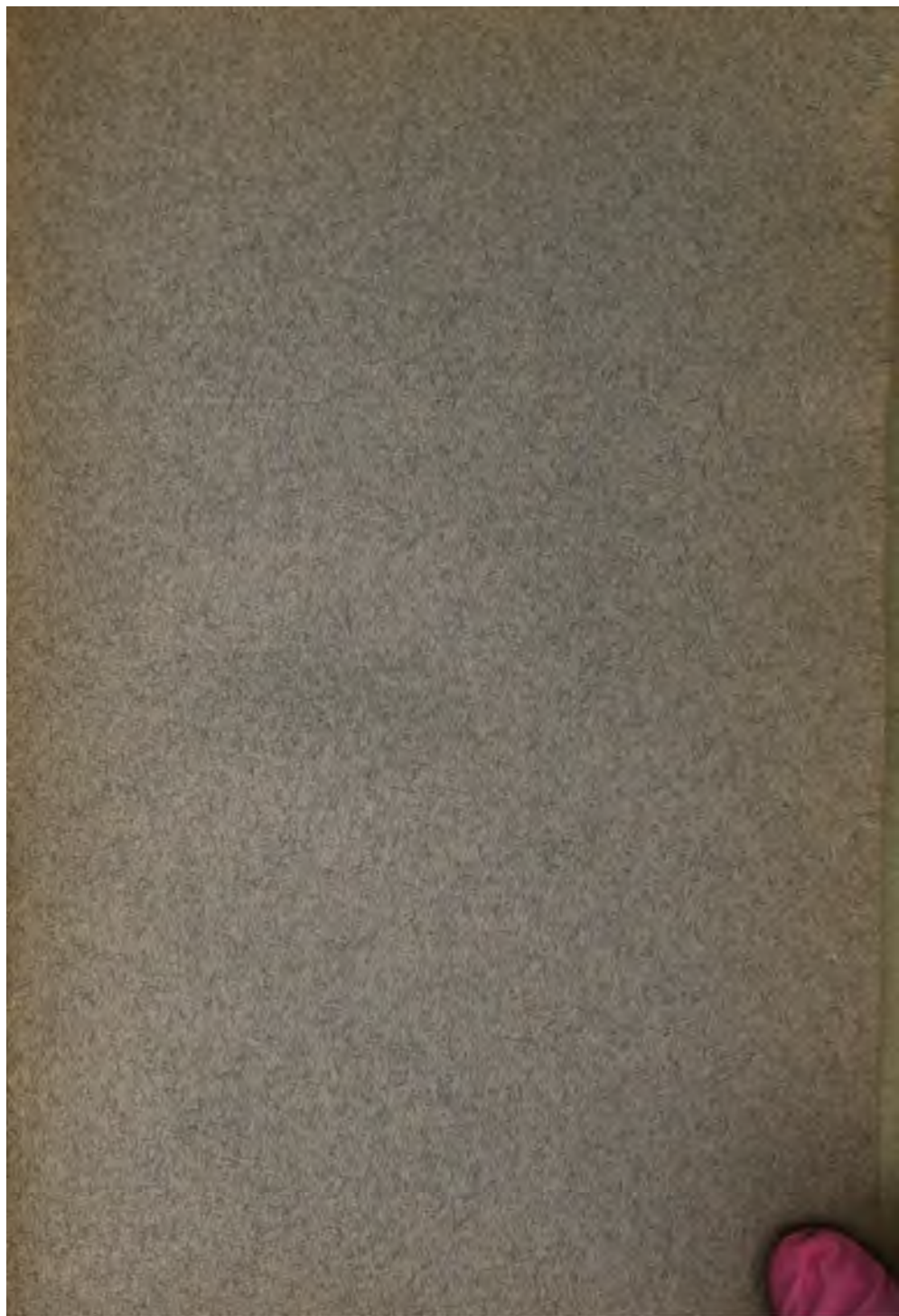
	PAGE		PAGE
Abbreviations, - - -	27, 48	Descriptive geometry, - - -	78
Absence from college, -	103, 106	Dining hall, - - - -	108
from recitations, - - -	102	Diploma fees, - - - -	105, 137
Admission, Terms of, -	30-47	Dormitory accommodations, -	106
Alumni associations, - - -	145	Dramatic association, - - -	104
Alumni Record, - - - -	142	Economics, - - - - -	68
Apparatus, - - - - -	112	Elective studies, - - - -	29, 92, 94
Astronomy, - - - - -	75, 111	Electricity, - - - - -	81-82
Athletic Council, - - - -	104	Employment bureaus, - - -	147
Athletics, - - - - -	104, 114	English language, - - - -	63
Ayres prize, - - - - -	125	English literature, - - - -	61
Bachelor of Arts Course, -	29, 30, 94	Ethics, - - - - -	74
Bachelor of Science Course, -	29, 30, 94	Ethnographical collections, -	117
Bacteriology, - - - - -	89	Evidences of Christianity, -	74
Bible, English, - - - - -	75	Evolution, - - - - -	89
Biology, - - - - -	87, 113	Examination groups, - - -	92
Board, Cost of, - - - - -	106, 108	Examinations, - - - - -	102
Botanical collections, - - -	116, 119	for admission, - - - -	45
Botany, - - - - -	87	Expenses, - - - - -	105
Buildings, New, - - - - -	109	Faculty, - - - - -	10
Bulletin, - - - - -	143	Committees of, - - - -	14
Calendar, - - - - -	148	Fees, Laboratory, - - - -	105
Certificate, Admission by, -	46	Diploma, - - - - -	105, 137
Chapel, - - - - -	103	Finance, - - - - -	69
Chemistry, - - - - -	82, 113	French, - - - - -	58
Classical club, - - - - -	98	French club, - - - - -	99
Coins, Collection of, - - -	118, 119	Geological collections, - - -	116
College Entrance Examination		Geology, - - - - -	86
Board, - - - - -	45	German, - - - - -	55
Commencement appointments, -	129	German club, - - - - -	99
Committees, Faculty, - - -	14	Grades, - - - - -	101
Trustee, - - - - -	8	Graduate instruction, { 29, 58, 61, 62,	
Conditions, Entrance, - - -	103	71, 74, 86	
Courses, General, - - - -	29, 48	Graduate students, - - - -	15
Special, - - - - -	29, 44	Greek, - - - - -	52
required, Schedule of, -	94-96	Group system, - - - - -	96
Crawford memorial fund, - -	113	Gymnasium, - - - - -	114
Cryogenic laboratory, - - -	113	Hebrew, - - - - -	55
Daily program, - - - - -	90-91	Herbarium, - - - - -	116, 119
Degrees, - - - - -	29, 136	History, - - - - -	66
conferred, - - - - -	139-141	Honors, Award of, - - - -	135
Der Deutsche Verein, - - -	99	General, - - - - -	129

WESLEYAN UNIVERSITY.

151

	PAGE		PAGE
Honors, Preliminary, -	48, 52, 130	Psychology, - - -	71, 72, 112
Special, - - -	130	Publications, - - -	142
Hygiene, - - -	89	Public speaking, - - -	65
Italian, - - -	60	Quota of studies, - - -	101
Installation volume, -	143	Reading-rooms, - - -	111
Junior Exhibition, - -	128	Recitations, Program of, -	90-91
Laboratories, - - -	109, 112	Regents' diplomas, - - -	40
Laboratory fees, - - -	105	Registration, - - -	101
La Société Française, -	99	Regulations, General, - -	101
Latin, - - -	48	Religious services, - - -	103
Lectures, Departmental, etc.,	97	Required studies, - - -	29, 94-96
Library, - - -	111	Rhetoric, - - -	63
Liquefaction of gases, -	83	Romance languages, - - -	58
Loan fund, - - -	122	Rooms, - - -	106
Logic, - - -	71, 72	Scholarships, - - -	120
Machine shop, - - -	114	Science and Religion, Relations of,	75
Major studies, - - -	96	Seventy-fifth anniversary, -	143
Mathematical models, - -	114	Social science, - - -	70
Mathematics, - - -	75	Sociology, - - -	70
Mechanical drawing, - -	78	Spanish, - - -	61
Middletown Scientific Association,	98	Special courses, - - -	29, 44
Mineralogical collections, -	116, 119	Special honors, - - -	130
Mineralogy, - - -	87	Award of, - - -	135
Museum, - - -	115	Student organizations, - -	104
Musical organizations, -	104	Students, List of, - - -	15
Natural history collections, -	115	Classification by residence, -	28
Necrology, - - -	144	Studies, Selection of, - - -	94
Observatory, - - -	111	Theism, - - -	74
Paleontology, - - -	87	Trustees, - - -	3
Philosophy, - - -	71	Committees of, - - -	8
Physical geography, - - -	86	Tuition, - - -	105
Physics, - - -	79, 109, 112	Wesley bicentennial, - - -	142
Physiology, - - -	58	Women, Admission of, - - -	47
Picture of the College, - -	144	Y. M. C. A., - - -	103
Political economy, - - -	68	Zoological collections, - -	115, 118
Preliminary honors, - -	48, 52, 130	Zoology, - - -	88
Prizes, - - -	123		
Award of, - - -	127		





CALENDAR, 1912

1913

JANUARY			MAY			SEPTEMBER			JANUARY		
S	7	14 21 28	S	5	12 19 26	S	1	8 15 22 29	S	1	8 15 22 29
M	1	8 15 22 29	M	6	13 20 27	M	2	9 16 23 30	M	2	9 16 23 30
T	2	9 16 23 30	T	7	14 21 28	T	3	10 17 24 X	T	3	10 17 24 X
W	3	10 17 24 31	W	1	8 15 22 29	W	4	11 18 25 X	W	4	11 18 25 X
T	4	11 18 25 X	T	2	9 16 23 30	T	5	12 19 26 X	T	5	12 19 26 X
F	5	12 19 26 X	F	3	10 17 24 31	F	6	13 20 27 X	F	6	13 20 27 X
S	6	13 20 27 X	S	4	11 18 25 X	S	7	14 21 28 X	S	7	14 21 28 X
FEBRUARY			JUNE			OCTOBER			FEBRUARY		
S	1	8 15 22 29	S	1	8 15 22 29	S	1	8 15 22 29	S	1	8 15 22 29
M	2	9 16 23 30	M	2	9 16 23 30	M	2	9 16 23 30	M	2	9 16 23 30
T	3	10 17 24 31	T	3	10 17 24 31	T	3	10 17 24 31	T	3	10 17 24 31
W	4	11 18 25 X	W	4	11 18 25 X	W	4	11 18 25 X	W	4	11 18 25 X
T	5	12 19 26 X	T	5	12 19 26 X	T	5	12 19 26 X	T	5	12 19 26 X
F	6	13 20 27 X	F	6	13 20 27 X	F	6	13 20 27 X	F	6	13 20 27 X
S	7	14 21 28 X	S	7	14 21 28 X	S	7	14 21 28 X	S	7	14 21 28 X
MARCH			JULY			NOVEMBER			MARCH		
S	1	8 15 22 29	S	1	8 15 22 29	S	1	8 15 22 29	S	1	8 15 22 29
M	2	9 16 23 30	M	2	9 16 23 30	M	2	9 16 23 30	M	2	9 16 23 30
T	3	10 17 24 31	T	3	10 17 24 31	T	3	10 17 24 31	T	3	10 17 24 31
W	4	11 18 25 X	W	4	11 18 25 X	W	4	11 18 25 X	W	4	11 18 25 X
T	5	12 19 26 X	T	5	12 19 26 X	T	5	12 19 26 X	T	5	12 19 26 X
F	6	13 20 27 X	F	6	13 20 27 X	F	6	13 20 27 X	F	6	13 20 27 X
S	7	14 21 28 X	S	7	14 21 28 X	S	7	14 21 28 X	S	7	14 21 28 X
APRIL			AUGUST			DECEMBER			APRIL		
S	1	8 15 22 29	S	1	8 15 22 29	S	1	8 15 22 29	S	1	8 15 22 29
M	2	9 16 23 30	M	2	9 16 23 30	M	2	9 16 23 30	M	2	9 16 23 30
T	3	10 17 24 31	T	3	10 17 24 31	T	3	10 17 24 31	T	3	10 17 24 31
W	4	11 18 25 X	W	4	11 18 25 X	W	4	11 18 25 X	W	4	11 18 25 X
T	5	12 19 26 X	T	5	12 19 26 X	T	5	12 19 26 X	T	5	12 19 26 X
F	6	13 20 27 X	F	6	13 20 27 X	F	6	13 20 27 X	F	6	13 20 27 X
S	7	14 21 28 X	S	7	14 21 28 X	S	7	14 21 28 X	S	7	14 21 28 X

